Summary of British Columbia Herring Biological Sampling Data for the 2001 - 2002 Season

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ABSTRACT

Midgley, P., and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2001 - 2002 season. Can. Data Rep. Fish. Aquat. Sci. 1105: 107 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 2001 - 2002 season. Tables are given for two geographical groupings: statistical areas and herring sections.

RÉSUMÉ

Midgley, P., and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2001 - 2002 season. Can. Data Rep. Fish. Aquat. Sci. 1105: 107 p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de l'harengs chantillonnés en 2001 - 2002, par région géographique, période de l'année, genre d'engin de pêche et provenance. Les tableaux sont divisés en deux regroupements géographiques : zones statistiques et sections d'harengs.

INTRODUCTION

Biological samples of herring are collected and processed annually for length, weight, sex, maturity, age, gonad weight, and gonad length. This information is used in stock assessments, and for determining stock characteristics. Additionally, it is useful to fishery managers located along the coast of British Columbia. The information presented here is for the 2001 - 2002 herring season which extends from July 1, 2001 to June 30, 2002. This report summarizes biological characteristics by different gear and source types, as well as different levels of geographic aggregation. The smallest level of aggregation is by herring section (Figs. 1 - 6), which is a subdivision of Statistical Area. Stock assessments are conducted at a region level of geographic aggregation (Fig. 7).

Biological characteristics of individual fish collected annually since the 1950-51 season are maintained on computer files. These files provide a 52-year series of data accessible for analyses and modelling.

METHODS

The two main sources of biological samples are the roe herring test fishing program and roe herring fisheries. While a major objective of the test fishing program is to provide support for fisheries management, a secondary objective is to collect biological samples throughout the geographic range of herring spawning aggregations. Test fishing operations are conducted to ensure that the vessels are available before and during the main spawning run in each area. Roe herring fisheries are the main source of commercial samples. Fisheries for roe herring are sampled with the goal of collecting ten samples from each seine fishery, and six samples from each gillnet fishery. A sampling plan is designed for each fishery to ensure that the sample series collected accurately represents biological characteristics of the entire catch in time and gear distribution, for each gear type.

Additional commercial samples are collected from the fall food and bait fisheries, which are currently very small both in quota and in numbers of vessels eligible to participate (e.g. 18 vessels in the fall 2001 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample from their catch.

As well as commercial and test fishing samples, small numbers of research samples are collected by Fisheries and Oceans (DFO) vessels, and occasionally by chartered commercial vessels throughout the year. Samples with source code "4" (other) are collected from various sources that do not fit into the categories described above.

In most instances biological samples are frozen on board vessels and shipped to the Pacific Biological Station where they are processed following standard procedures described by Hamer (1989). Data codes are presented in Table 1.

Gonad maturities are classified according to a modified Hjort maturity scale (Table 2). Female roe maturities in the data summaries are defined as:

Immature	- Hjort stages 1 - 4
Mature	- Hjort stages 5 - 6
Spent	- Hjort stages 7 - 8.

Fish classified as immature in estimating the sex ratio are those whose gonads were not sufficiently developed for sex determination.

DATA COMPILATION AND SCREENING

The biological sample information from each sample is entered directly into a computer as the fish are processed, using a data entry program. The data are subsequently screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding.

AGE DETERMINATION

Age determination is based on the number of annuli on the scales. Herring ages are reported using the "year of life" convention. That is, fish in their first year are designated as age "0+". Herring "birthdays" are considered to be at spawning, and not on January 1, as is the convention for many other fish species.

A revised system of ageing herring has been used since the 1987-88 season. Before that season, a fish was either assigned an age or was classified as unageable. With the revised ageing system, the option of two possible ages was used when it was difficult to positively determine the age. At present there is no optimal procedure for incorporating these data into age composition estimates, so they continue to be treated as unageable. Therefore, the age compositions in this report are based only on fish for which a single age was assigned.

RESULTS

BIOLOGICAL SAMPLING AND AGE COMPOSITIONS

In the 2001 - 2002 season 257 test fishing samples, 79 roe fishery samples, 22 "other" samples, 20 food and bait fishery samples, and 14 research samples were processed, bringing the total number for the season to 392 (Table 3 & 7). Thirteen seine vessels, four gillnet vessels, three management platforms, three surface survey vessels and one dive platform were chartered to help manage the 2002 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. Details on the distribution of effort, and number of samples collected by chartered vessels are provided in Table 4. Roe fishery samples were collected from seine fisheries in areas 2, 5, 7 & 14 and from gillnet fisheries in areas 4, 7, 14, 17 & 25 (Table 6). Test fishing vessels collected 17 samples from spawn on kelp ponds (SOK), on an opportunistic basis. Food and bait fishery samples were taken from area 17. Research samples were collected by the R/V W.E. Ricker during a herring year-class strength and production survey off the west coast of Vancouver Island. The R/V W.E. Ricker, while conducting a groundfish research cruise, provided an incidental herring catch sample from area 17. Samples were taken on an opportunistic basis from incidentally caught herring during the summer J/V Hake commercial fishery.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 5.

The following types of information, with associated table numbers, are summarized in this report:

Codes for sample data	Table 1
Maturity stages for Pacific herring	Table 2
Listing of samples processed	Table 3
Charter vessel information	Table 4
2002 age compositions	Table 5
Roe herring fishery summaries	Table 6
Data summaries	Tables 7 - 14.

The data summaries include various groupings of samples by geographical areas, gear types, and source types. Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report.

ACKNOWLEDGMENTS

The Fish Ageing Unit at the Pacific Biological Station determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples. Lorena Hamer and Jonathan Hepples provided some of the summary information.

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Bowers, A.B., and F.G.T. Holliday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (*Clupea harengus L.*). Mar. Res. Scot. 5: 16 p.

Hamer, L. 1989. Procedures for collecting and processing British Columbia herring samples. Can. Manuscr. Rep. Fish. Aquat. Sci. 2030: 27 p.

Table 1. Codes for British Columbia herring sampling data.

A. Gear		B. Source	
19	Gillnet	0	Roe fishery
29	Seine	1	Bait fishery
20	Salmon seine	2	Research - inshore
21	Other seine	3	Research - offshore
70	Beach seine	4	Other
50	Other trawl	5	Test Fishery
59	Herring trawl	6	Food Fishery
01	Other	7	Reduction Fishery

C. Preservation		D. Sex	
0	Frozen	1	Male
1	Fresh	2	Female
2	Salted	3	Unknown
3	Other		
4	Brined		

Table 2. Maturity stages for Pacific herring (adapted from Bowers and Holliday 1961; Parrish and Saville 1965). These descriptions are intended as general guidelines. Length of time samples have been frozen, thawing time, and different handling procedures may alter the colour of the gonads. Therefore, the texture of the gonad is also used to assess maturity. The timing description is also a general guideline due to the wide range in spawn timing on the British Columbia coast.

Stage	State of Maturity	Gonad appearance	Description	Timing
I	Undeveloped	Thread-shaped	Virgin herring with small gonads, less than 2 mm broad. Accurate macroscopic determination of sex not possible. Fat is visible in the body cavity.	Year-round for young herring usually less than 150 mm in length. (However, some herring as small as 125 mm may have mature gonads.)
II	Starting	Ribbon-shaped	Gonads increased in breadth to 3-5 mm. Sex determination difficult. Testes reddish-grey coloured and knife-shaped. Ovaries reddish-wine coloured and bullet-shaped at tip. (The gonads of virgins and some repeat spawners cannot be differentiated macroscopically.) Fat is visible in the body cavity.	Late spring and early summer.
III	Developing	Tube-like	Gonads thickened, increased in breadth (5-15 mm) and elongated, but not extending full length of body cavity. Ovaries red to reddish-orange, granular in appearance, and bullet-shaped at the tip. Testes reddish-grey, smooth in appearance, and knife-shaped.	Usually late summer to early fall, but may extend into winter and early spring.
IV	Maturing	Prominent	Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the ovary and testes walls.	Usually late fall and winter, but may extend to as late as March. (Slightly earlier in males than females.)

Table 2 (cont'd)

Stage	State of Maturity	Gonad appearance	Description	Timing
V	Mature	Bulging	Few or no blood vessels visible in gonad walls. Walls of body cavity thin. Ovaries gold-yellow, firm and will often break into sections. Eggs mostly transparent and uniform in size. Testes usually milk-white, soft and plump; and milt will flow under pressure.	Mid-winter to late spring.
VI	Ripe	Running	Gonads do not hold their shape. Ovaries look and feel gelatinous. Segmentation is lost. Eggs are transparent and sticky to the touch. Testes runny, and have a curdled appearance. Milt flows easily without external pressure.	A few days prior to spawning (usually in late winter to spring).
VII	Spent	Baggy	Gonads slack. Sex determination difficult. Ovaries may contain a few residual eggs. Testes limp and bloodshot. Body wall thin and no fat present; blood in body cavity.	Spring for the first few weeks following spawning.
VIII	Recovering	Compressed	Gonads wide-coloured and usually longer, fuller and not as slack as Stage VII. Blood vessels prominent. Little or no fat in the body cavity.	Late spring and early summer.

Table 3. Biological sampling information by statistical area, herring section and location for the 2001 – 2002 season.

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
23	239	CENTRAL SLOPE+	001	01	07	27	59	3	0	100	84
23	239	LA PEROUSE BANK	002	01	07	30	59	3	0	100	84
17	173	DANGER REEFS	003	01	12	04	29	6	0	100	71
23	239	LA PEROUSE BANK	004	01	08	03	59	3	0	100	95
23	239	LA PEROUSE BANK	005	01	08	02	59	3	0	100	95
23	239	FINGER BANK +	006	01	07	13	50	4	0	100	13
23	239	CENTRAL SLOPE+	007	01	07	01	59	3	0	100	87
23	239	LA PEROUSE BANK	008	01	08	02	59	3	0	100	79
23	239	FORTY MILE BANK	009	01	07	24	50	4	0	100	54
21	219	SWIFTSURE BANK	010	01	08	03	59	3	0	100	57
23	239	FINGER BANK +	011	01	08	25	50	4	0	100	71
21	219	SWIFTSURE BANK	012	01	07	04	50	4	0	100	57
23	239	BOTTLENECK +	013	01	07	12	50	4	0	100	59
23	239	POTHOLES +	014	01	08	02	59	3	0	100	89
23	239	CENTRAL SLOPE+	015	01	08	01	59	3	0	100	87
23	239	BOTTLENECK +	016	01	07	05	50	4	0	100	26
23	239	LA PEROUSE BANK	017	01	08	03	59	3	0	100	83
23	239	POTHOLES +	018	01	07	11	50	4	0	100	44
23	239	CENTRAL SLOPE+	019	01	08	01	59	3	0	100	89
23	239	FINGER BANK +	020	01	07	02	50	4	0	100	62
23	239	LA PEROUSE BANK	021	01	08	03	59	3	0	100	93
23	239	LA PEROUSE BANK	022	01	08	01	59	3	0	100	77
23	239	FINGER BANK +	023	01	07	17	50	4	0	100	52
17	173	UNKNOWN SEC. 173	024	01	11	06	29	6	0	100	75
17	173	YELLOW POINT	025	01	12	11	29	6	0	100	69
17	173	YELLOW POINT	026	01	12	17	29	6	0	100	59
17	172	MAUDE ISLAND	027	01	11	12	29	6	0	100	90
17	172	MAUDE ISLAND	028	01	11	12	29	6	0	100	92
17	173	YELLOW POINT	029	01	12	12	29	6	0	100	63
17	173	DANGER REEFS	030	01	12	18	29	6	0	100	60
17	173	DANGER REEFS	031	01	12	10	29	6	0	100	69
21	219	SWIFTSURE BANK	032	01	08	04	59	3	0	100	84
17	173	YELLOW POINT	033	01	12	10	29	6	0	100	65
17	173	DANGER REEFS	034	01	12	10	29	6	0	100	71
17	172	NANOOSE BAY	035	01	11	06	29	6	0	100	82
17	173	DANGER REEFS	036	01	12	09	29	6	0	100	62
14	142	CAPE LAZO	001	02	03	03	29	5	0	100	95
14	142	SANDY ISLAND	002	02	03	05	29	5	0	100	96
14	142	UNION POINT	003	02	03	08	29	5	0	100	94
14	142	CAPE LAZO	004	02	03	01	29	5	0	100	93
27	273	FORWARD INLET	005	02	03	03	29	5	0	100	93
14	143	FRENCH CREEK	006	02	03	02	29	5	0	100	96
14	142	DOWNES POINT	007	02	03	06	29	5	0	100	88
14	143	LITTLE QUALICUM RVR	008	02	02	28	29	5	0	100	97
15	152	POWELL RIVER MILL	009	02	02	26	29	5	0	100	88
14	142	NORRIS ROCKS	010	02	03	05	29	5	0	100	99
27	273	FORWARD INLET	011	02	03	08	29	5	0	100	95
27	273	MATTHEWS ISLAND	012	02	02	28	29	5	0	100	89
14	142	CAPE LAZO	013	02	03	04	29	5	0	100	91
27	272	KLASKISH INLET	014	02	03	02	29	5	0	100	95
17	173	COFFIN POINT (IS.)	015	02	02	27	29	5	0	100	82
14	142	FILLONGLEY PARK	016	02	03	02	29	5	0	100	96
14	142	KOMAS BLUFF	017	02	03	01	29	5	0	100	95
14	142	CAPE LAZO	018	02	02	28	29	5	0	100	94
14	142	COMOX BAR	019	02	03	05	29	5	0	100	93
27	272	KLASKISH INLET	020	02	03	08	29	5	0	100	95
14	142	NORRIS ROCKS	021	02	02	25	29	5	0	100	93
17	173	PORLIER PASS	022	02	02	27	29	5	0	100	95

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
14	143	LITTLE QUALICUM RVR	023	02	03	01	29	5	0	100	93
14	143	QUALICUM BEACH	024	02	03	02	29	5	0	100	94
14	143	QUALICUM BEACH	025	02	02	06	29	6	0	100	96
14	143	FRENCH CREEK	026	02	02	27	29	5	0	100	93
14	143	PARKSVILLE	027	02	02	08	29	6	0	100	90
14	142	KOMAS BLUFF	028	02	02	05	29	6	0	100	87
16	163	TEXADA ISLAND	029	02	02	03	29	6	0	100	83
14	142	NORRIS ROCKS	030	02	03	03	29	5	0	100	98
14	142	NORRIS ROCKS	031	02	02	22	29	5	0	100	87
19	191	DEEP COVE	032	02	02	25	29	5	0	100	88
14	143	PARKSVILLE	033	02	03	13	29	5	0	100	96
17	173	TRINCOMALI CHANNEL	034	02	02	24	29	5	0	100	97
19	191	DEEP COVE	035	02	03	16	29	5	0	100	87
17	173	YELLOW POINT	036	02	03	17	29	5	0	100	96
23	232	CASTLE ISLET	037	02	03	01	29	5	0	100	93
23	232	SECHART CHANNEL	038	02	03	04	29	5	0	100	87
14	142	SEAL ISLETS	039	02	03	07	29	5	0	100	91
23	233	SWALE ROCK	040	02	03	08	29	5	0	100	90
23	232	SHEARS ISLANDS	041	02	03	21	29	5	0	100	91
23	232	LARKIN ISLAND	042	02	03	19	29	5	0	100	89
23	232	SHEARS ISLANDS	043	02	03	18	29	5	0	100	95
14	142	NORRIS ROCKS	044	02	03	01	29	5	0	100	94
14	142	COMOX BAR	045	02	03	06	29	5	0	100	90
23	232	TOQUART BAY	046	02	03	16	29	5	0	100	87
23	232	ST. INES ISLAND	047	02	03	07	29	5	0	100	93
14	142	NORRIS ROCKS	048	02	02	28	29	5	0	100	97
23	232	STOPPER ISLANDS	049	02	03	23	29	5	0	100	95
14	142	KOMAS BLUFF	050	02	03	03	29	5	0	100	96
14	142	COMOX BAR	051	02	03	16	29	5	0	100	94
23	232	TOQUART BAY	052	02	03	20	29	5	0	100	90
14	142	GARTLEY POINT	053	02	03	13	29	5	0	100	87
14	143	MISTAKEN ISLAND	054	02	02	26	29	5	0	100	95
14	143	MADRONA POINT	055	02	02	24	29	5	0	100	94
14	142	TRALEE POINT	056	02	03	03	29	5	0	100	94
23	232	MAYNE BAY	057	02	03	13	29	5	0	100	91
23	232	CHROW ISLANDS	058	02	02	22	29	5	0	100	90
23	232	FOOD ISLETS	059	02	03	14	29	5	0	100	90
23	232	DAVID CHANNEL	060	02	03	15	29	5	0	100	95
23	232	FOOD ISLETS	061	02	02	25	29	5	0	100	91
23	232	DAVID ISLAND	062	02	02	27	29	5	0	100	93
23	232	FORBES ISLAND	063	02	03	01	29	5	0	100	98
23	232	CHROW ISLANDS	064	02	03	02	29	5	0	100	89
23	232	TOQUART BAY	065	02	03	17	29	5	0	100	89
23	232	ST. INES ISLAND	066	02	03	12	29	5	0	100	92
23	232	ST. INES ISLAND	067	02	03	05	29	5	0	100	94
23	232	DAVID ISLAND	068	02	02	26	29	5	0	100	94
17	172	NANOOSE BAY	069	02	03	17	19	0	0	100	84
14	143	FRENCH CREEK	070	02	03	07	19	0	0	100	84
17	172	HAMMOND BAY	071	02	03	18	19	0	0	100	84
14	142	COMOX BAR	072	02	03	07	29	0	0	100	85
14	142	CAPE LAZO	073	02	03	18	19	0	0	100	83
14	142	CAPE LAZO	074	02	03	17	19	0	0	100	91
14	142	CAPE LAZO	075	02	03	20	19	0	0	100	71
14	142	BAYNES SOUND, UPPER	076	02	03	07	29	0	0	100	93
14	143	FRENCH CREEK	077	02	03	17	19	0	0	100	83
14	142	SANDY ISLAND	078	02	03	07	29	0	0	100	96
17	172	HAMMOND BAY	079	02	03	20	19	0	0	100	77
14	142	CAPE LAZO	080	02	03	19	19	0	0	100	93

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
14	142	SANDY ISLAND	081	02	03	07	29	0	0	100	86
14	142	UNION BAY	082	02	03	07	29	0	0	100	88
14	142	SANDY ISLAND	083	02	03	07	29	0	0	100	89
14	141	KYE BAY	084	02	03	20	19	0	0	100	84
14	142	HENRY BAY	085	02	03	07	29	0	0	100	93
14	142	BAYNES SOUND, LOWER	086	02	03	07	29	0	0	100	86
14	143	PARKSVILLE	087	02	02	08	29	6	0	100	95
14	142	SANDY ISLAND	088	02	03	08	29	0	0	100	96
07	072	BERRY INLET	089	02	03	28	29	4	0	100	92
14	142	CAPE LAZO	090	02	03	17	19	0	0	100	81
14	142	SANDY ISLAND	091	02	03	07	29	0	0	100	97
07	074	STRYKER BAY	092	02	03	19	29	5	0	100	93
07	078	NEEKAS COVE	093	02	03	25	29	5	0	100	91
07	072	BERRY INLET	094	02	03	21	29	5	0	100	94
17	173	BOAT HARBOUR	095	02	02	28	29	5	0	100	91
07	072	BERRY INLET	096	02	03	26	29	5	0	100	100
07	072	FOOTE ISLETS	097	02	03	14	29	5	0	100	97
09	093	RIVERS INLET-HEAD	098	02	03	14	29	5	0	100	90
14	143	LITTLE QUALICUM RVR	099	02	03	03	29	5	0	100	94
17	173	YELLOW POINT	100	02	03	01	29	5	0	100	88
08	085	KWAKSHUA CHANNEL	101	02	03	03	29	5	0	100	93
07	077	EAST HIGGINS PASS	102	02	03	28	29	5	0	100	92
07	072	MOSQUITO BAY	103	02	03	22	29	5	0	100	91
07	078	NEEKAS COVE	104	02	03	24	29	5	0	100	92
07	072	FOOTE ISLETS	105	02	03	24	29	5	0	100	98
07	077	EAST HIGGINS PASS	106	02	03	13	29	5	0	100	100
06	067	KITASU BAY	107	02	03	28	29	5	0	100	94
07	074	DUNDIVAN INLET	108	02	03	21	29	5	0	100	97
07	077	EAST HIGGINS PASS	109	02	03	06	29	5	0	100	96
07	074	BODDY PASSAGE/ NARROWS	110	02	03	19	29	5	0	100	95
06	067	KITASU BAY	111	02	03	29	29	5	0	100	95
07	074	DUNDIVAN INLET	112	02	03	16	29	5	0	100	95
07	077	EAST HIGGINS PASS	113	02	03	16	29	5	0	100	93
07	074	JOASSA CHANNEL	114	02	03	11	29	5	0	100	93
07	074	DUNDIVAN INLET	115	02	03	17	29	5	0	100	92
07	078	NEEKAS COVE	116	02	03	25	29	5	0	100	94
07	077	EAST HIGGINS PASS	117	02	03	21	29	5	0	100	96
08	085	FAIRMILE PASSAGE	118	02	03	17	29	5	0	100	93
09	092	GOOSE BAY	119	02	03	13	29	5	0	100	98
10	103	SMITH INLET	120	02	03	12	29	5	0	100	92
06	067	MEYERS PASSAGE	121	02	03	14	29	5	0	100	96
00	002	TINGLEY COVE	122	02	03	25	29	5	0	100	93
02	025	SKINCUTTLE INLET	123	02	03	12	29	5	0	100	92
02	021	DE LA BECHE INLET	124	02	03	15	29	5	0	100	93
02	021	DE LA BECHE INLET	125	02	03	15	29	5	0	100	97
07	077	EAST HIGGINS PASS	126	02	03	22	29	5	0	100	97
00	003	SEAL INLET	127	02	03	27	29	5	0	100	94
00	003	KANO INLET	128	02	03	17	29	5	0	100	98
00	003	SHIELDS BAY	129	02	03	23	29	5	0	100	100
00	005	SECURITY INLET	130	02	03	21	29	5	0	100	98
00	005	SECURITY INLET	131	02	03	21	29	5	0	100	96
00	005	PEEL INLET	132	02	03	30	29	5	0	100	93
00	002	PORT LOUIS	133	02	03	18	29	5	0	100	96
02	021	DE LA BECHE INLET	134	02	03	13	29	5	0	100	97
00	002	PORT LOUIS	135	02	03	18	29	5	0	100	95
00	003	RENNELL SOUND	136	02	03	19	29	5	0	100	94
00	004	DAWSON HARBOUR	137	02	03	21	29	5	0	100	95

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
00	003	KANO INLET	138	02	03	17	29	5	0	100	98
07	078	NEEKAS INLET	139	02	03	20	29	5	0	100	94
06	067	KITASU BAY	140	02	03	22	29	5	0	100	96
25	251	TAHSIS INLET	141	02	03	06	29	5	0	100	94
07	074	WASKESIU PASS	142	02	03	08	29	5	0	100	96
09	092	GOOSE BAY	143	02	03	02	29	5	0	100	94
00	002	TINGLEY COVE	144	02	03	24	29	5	0	100	95
25	253	HARBOUR ISLAND	145	02	03	07	29	5	0	100	87
25	253	ROSA HARBOUR	146	02	03	02	29	5	0	100	89
25	253	ROSA HARBOUR	147	02	03	20	29	5	0	100	86
02	021	WANDERER ISLAND	148	02	03	17	29	5	0	100	86
02	021	KAT ISLAND	149	02	03	07	29	5	0	100	96
02	025	HUSTON INLET	150	02	03	05	29	5	0	100	93
02	025	HUSTON INLET EAST	151	02	03	01	29	5	0	100	96
02	021	WANDERER ISLAND	152	02	03	11	29	5	0	100	96
02	025	HUSTON INLET	153	02	02	28	29	5	0	100	89
02	021	KAT ISLAND	154	02	03	21	29	4	0	100	90
02	021	SKAAT HARBOUR	155	02	03	17	29	5	0	100	97
14	142	SANDY ISLAND	156	02	03	11	29	5	0	100	88
00	006	LOUSCOONE INLET	157	02	02	27	29	4	0	100	93
02	021	KAT ISLAND	158	02	03	17	29	5	0	100	92
25	253	CENTRE ISLAND	159	02	03	11	29	5	0	100	96
02	021	NOMAD ISLET	160	02	03	19	29	4	0	100	97
14	142	BUCKLEY BAY	161	02	03	13	29	5	0	100	98
02	021	ISLAND BAY	162	02	03	21	29	4	0	100	98
02	021	HUXLEY ISLAND	163	02	03	19	29	5	0	100	98
02	021	SECTION ISLAND	164	02	03	23	29	4	0	100	94
25	253	ROSA HARBOUR	165	02	03	08	29	5	0	100	95
08	085	FAIRMILE PASSAGE	166	02	03	04	29	5	0	100	96
25	252	KENDRICK INLET	167	02	03	08	29	5	0	100	97
25	253	ROSA ISLAND	168	02	03	14	29	5	0	100	91
07	074	WASKESIU PASS	169	02	03	17	29	5	0	100	93
25	253	ROSA HARBOUR	170	02	03	10	29	5	0	100	84
25	253	ROSA HARBOUR	171	02	03	14	29	5	0	100	91
07	072	BUSH POINT	172	02	03	16	29	5	0	100	98
25	253	CENTRE ISLAND	173	02	03	15	29	5	0	100	98
02	021	ISLAND BAY	174	02	03	19	29	4	0	100	98
14	142	FLORA ISLET	175	02	02	26	29	5	0	100	96
02	025	HUSTON INLET	176	02	03	05	29	5	0	100	98
02	021	KAT ISLAND	177	02	03	12	29	5	0	100	90
14	142	TRIBUNE BAY	178	02	03	02	29	5	0	100	97
07	077	EAST HIGGINS PASS	179	02	03	24	29	5	0	100	87
14	142	UNION POINT	180	02	03	20	29	5	0	100	90
02	021	KAT ISLAND	181	02	03	20	29	5	0	100	99
14	142	GARTLEY POINT	182	02	03	07	29	5	0	100	92
14	142	CAPE GUMEY	183	02	02	27	29	5	0	100	97
14	143	QUALICUM BEACH	184	02	02	25	29	5	0	100	90
07	074	LOCKHART BAY	185	02	03	22	29	5	0	100	97
07	077	EAST HIGGINS PASS	186	02	03	18	29	5	0	100	97
14	142	CHROME ISLAND	187	02	03	05	29	5	0	100	98
10	103	SMITH INLET	188	02	03	02	29	5	0	100	93
25	253	HARBOUR ISLAND	189	02	03	04	29	5	0	100	92
24	243	SYDNEY INLET	190	02	03	20	29	5	0	100	90
24	243	ADVENTURE POINT	191	02	02	27	29	5	0	100	95
25	253	DOUBLE ISLAND	192	02	02	28	29	5	0	100	88
07	074	DUNDIVAN INLET	193	02	03	09	29	5	0	100	95
14	142	REPULSE POINT	194	02	03	15	29	5	0	100	97
07	078	NEEKAS INLET	195	02	03	26	29	5	0	100	95
17	172	LANTZVILLE	196	02	01	13	29	6	0	100	96

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
25	253	ROSA ISLAND	197	02	03	13	29	5	0	100	94
24	243	YOUNG BAY	198	02	03	16	29	5	0	100	89
07	072	TANKEEAH RIVER	199	02	03	22	29	5	0	100	97
24	243	STARLING POINT	200	02	03	16	29	5	0	100	92
04	042	WHITECLIFF ISLAND	201	02	03	28	29	5	0	100	97
24	243	HOLMES INLET	202	02	03	07	29	5	0	100	90
05	052	VISCOUNT POINT	203	02	04	01	29	5	0	100	90
25	253	ESPERANZA INLET	204	02	02	26	29	5	0	100	84
25	251	TAHSIS INLET	205	02	03	10	29	5	0	100	53
25	253	ROSA HARBOUR	206	02	03	04	29	5	0	100	98
04	042	BIG BAY	207	02	03	28	29	5	0	100	98
05	052	ROBERT ISLAND	208	02	03	31	29	5	0	100	98
04	042	SHATTOCK POINT	209	02	03	27	29	5	0	100	95
14	143	FRENCH CREEK	210	02	03	16	29	5	0	100	89
14	143	GRAVELLY BAY	211	02	03	15	29	5	0	100	95
04	042	SWALLOW ISLAND	212	02	03	26	29	5	0	100	95
14	142	GOOSE SPIT	213	02	03	11	29	5	0	100	98
06	067	PARSONS ANCHORAGE	214	02	03	25	29	5	0	100	88
14	143	FRENCH CREEK	215	02	03	17	29	5	0	100	96
05	052	ROBERT ISLAND	216	02	04	01	29	5	0	100	98
04	042	BIG BAY	217	02	03	27	29	5	0	100	98
07	072	BERRY INLET	218	02	03	22	29	5	0	100	95
14	142	SHINGLE SPIT	219	02	03	17	29	5	0	100	96
08	085	PRUTH BAY	220	02	03	20	29	5	0	100	95
14	142	SEAL ISLETS	221	02	03	08	29	5	0	100	96
05	052	GOSCHEN ISLAND	222	02	04	02	29	5	0	100	97
07	074	NORMAN MORRISON BAY	223	02	03	21	29	5	0	100	96
08	085	PRUTH BAY	224	02	03	21	29	5	0	100	89
14	142	COMOX BAR	225	02	03	19	29	5	0	100	89
14	142	LONGBEAK POINT	226	02	03	08	29	5	0	100	97
06	067	KITASU BAY	227	02	03	26	29	5	0	100	95
06	067	PARSONS ANCHORAGE	228	02	03	24	29	5	0	100	99
07	072	FOOTE ISLETS	229	02	03	25	29	5	0	100	98
07	072	MOSQUITO BAY	230	02	03	25	29	5	0	100	95
04	042	SHATTOCK POINT	231	02	03	27	29	5	0	100	97
04	042	SIMPSON POINT	232	02	03	28	29	5	0	100	98
25	253	OWOSSITSA CREEK	233	02	02	28	29	5	0	100	94
05	053	WILSON INLET	234	02	04	02	29	5	0	100	94
07	072	MOSQUITO BAY	235	02	03	26	29	5	0	100	92
07	072	BERRY INLET	236	02	03	13	29	5	0	100	92
07	072	BUSH POINT	237	02	03	19	29	5	0	100	96
07	074	DUNDIVAN INLET	238	02	03	12	29	5	0	100	92
06	067	KITASU BAY	239	02	03	27	29	5	0	100	91
06	067	KITASU BAY	240	02	03	29	29	5	0	100	94
25	253	PORT ELIZA	241	02	03	06	29	5	0	100	94
02	021	KAT ISLAND	242	02	03	15	29	5	0	100	93
05	052	KITKATLA INLET	243	02	03	30	29	5	0	100	96
05	052	WILLIS BAY	244	02	03	23	29	5	0	100	96
05	052	KITKATLA CREEK	245	02	03	19	29	5	0	100	98
05	052	WILLIS BAY	246	02	03	22	29	5	0	100	92
05	052	WILLIS BAY	247	02	03	19	29	5	0	100	95
05	052	WILLIS BAY	248	02	04	03	29	5	0	100	95
05	052	KITKATLA CREEK	249	02	03	21	29	5	0	100	91
05	052	PORCHER PENINSULA	250	02	04	05	29	5	0	100	94
05	052	GURD INLET	251	02	03	25	29	4	0	100	94
05	052	WILLIS BAY	252	02	03	17	29	5	0	100	98
05	052	GURD ISLAND	253	02	04	04	29	5	0	100	98
05	052	KITKATLA CREEK	254	02	03	17	29	5	0	100	95

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
05	052	WILLIS BAY	255	02	03	21	29	5	0	100	94
05	052	DRIES INLET	256	02	03	24	29	4	0	100	90
06	067	MEYERS PASSAGE	257	02	03	10	29	5	0	100	96
25	253	ROSA HARBOUR	258	02	03	15	29	5	0	100	94
08	085	KWAKSHUA CHANNEL	259	02	03	15	29	5	0	100	96
24	245	BEDWELL SOUND	260	02	03	21	29	5	0	100	62
07	072	BUSH POINT	261	02	03	18	29	5	0	100	93
02	021	WANDERER ISLAND	262	02	03	19	29	4	0	100	88
25	253	ROSA HARBOUR	263	02	03	14	29	5	0	100	91
25	253	ROSA HARBOUR	264	02	03	20	29	5	0	100	91
07	077	EAST HIGGINS PASS	265	02	03	25	29	4	0	100	98
02	021	ISLAND BAY	266	02	03	13	29	5	0	100	94
25	253	CENTRE ISLAND	267	02	03	10	29	5	0	100	96
25	253	ROSA HARBOUR	268	02	03	17	29	5	0	100	92
25	252	MARVINAS BAY/ISLAND	269	02	03	18	29	5	0	100	93
25	253	ROSA HARBOUR	270	02	03	22	29	5	0	100	96
25	253	DOUBLE ISLAND	271	02	03	18	29	5	0	100	88
25	253	ROSA HARBOUR	272	02	03	14	29	5	0	100	92
04	042	TRENHAM POINT	273	02	03	25	19	0	0	100	91
02	021	KAT ISLAND	274	02	03	21	29	0	0	82	77
07	072	MOSQUITO BAY	275	02	03	27	29	0	0	100	93
02	021	KAT ISLAND	276	02	03	21	29	0	0	100	91
02	021	DOLOMITE POINT	277	02	03	21	29	0	0	100	84
04	042	REEKS POINT	278	02	03	27	19	0	0	100	86
05	052	CLAMSHELL ISLAND	279	02	04	05	29	0	0	100	94
05	052	DOLPHIN ISLAND	280	02	04	03	29	0	0	100	92
02	021	DOLOMITE POINT	281	02	03	21	29	0	0	100	85
02	021	DOLOMITE POINT	282	02	03	21	29	0	0	100	94
02	021	DOLOMITE POINT	283	02	03	21	29	0	0	100	85
04	042	SWALLOW ISLAND	284	02	03	29	19	0	0	100	80
02	021	KAT ISLAND	285	02	03	21	29	0	0	100	86
07	072	FOOTE ISLETS	286	02	03	27	29	0	0	100	92
04	042	SALMON BIGHT	287	02	03	27	19	0	0	100	96
07	077	EAST HIGGINS PASS	288	02	04	02	19	0	0	100	82
25	253	ROSA ISLAND	289	02	03	25	19	0	0	100	75
07	077	EAST HIGGINS PASS	290	02	04	02	19	0	0	100	77
02	021	KAT ISLAND	291	02	03	21	29	0	0	100	84
05	052	GOSCHEN POINT	292	02	04	03	29	0	0	100	98
04	042	SIMPSON POINT	293	02	03	26	19	0	0	100	87
07	072	FOOTE ISLETS	294	02	03	27	29	0	0	100	87
05	052	GOSCHEN POINT	295	02	04	03	29	0	0	100	95
05	052	GURD ISLAND	296	02	04	06	29	0	0	100	94
02	021	KAT ISLAND	297	02	03	21	29	0	0	100	97
07	072	FOOTE ISLETS	298	02	03	29	29	0	0	100	68
04	042	TRENHAM POINT	299	02	03	26	19	0	0	100	89
05	052	CLAMSHELL ISLAND	300	02	04	05	29	0	0	100	94
04	042	SIMPSON POINT	301	02	03	25	19	0	0	100	82
04	042	BURNT CLIFF ISLAND	302	02	03	28	19	0	0	100	87
04	042	SIMPSON POINT	303	02	03	26	19	0	0	100	90
04	042	SALMON BIGHT	304	02	03	28	19	0	0	100	91
07	077	EAST HIGGINS PASS	305	02	03	29	29	0	0	100	94
25	253	ROSA HARBOUR	306	02	03	27	19	0	0	100	79
07	072	FOOTE ISLETS	307	02	03	28	29	0	0	100	92
07	077	EAST HIGGINS PASS	308	02	04	02	19	0	0	100	85
05	052	ROBERT ISLAND	309	02	04	05	29	0	0	100	93
05	052	WILLIS BAY	310	02	04	03	29	0	0	100	95
02	021	KAT ISLAND	311	02	03	21	29	0	0	100	92
25	253	NUCHATLITZ INLET	312	02	03	27	19	0	0	100	62
05	052	GURD ISLAND	313	02	04	06	29	0	0	100	96

Table 3. (cont'd).

Statistical Area	Section	Location	Sample Number	Year	Month	Day	Gear	Source	Preservation	No. of Fish Sampled	No. of Fish Aged
07	072	BERRY INLET	314	02	03	28	29	0	0	100	92
07	072	BUSH POINT	315	02	03	28	29	0	0	100	88
05	052	ROBERT ISLAND	316	02	04	06	29	0	0	100	96
25	253	ESPERANZA INLET	317	02	03	26	19	0	0	100	74
07	078	NEEKAS COVE	318	02	03	27	29	0	0	100	89
07	072	FOOTE ISLETS	319	02	03	28	29	0	0	100	86
07	077	EAST HIGGINS PASS	320	02	04	02	19	0	0	100	87
07	077	EAST HIGGINS PASS	321	02	03	28	29	0	0	100	97
25	253	ROSA ISLAND	322	02	03	26	19	0	0	100	92
25	253	ROSA ISLAND	323	02	03	27	19	0	0	100	77
07	077	EAST HIGGINS PASS	324	02	04	02	19	0	0	100	84
25	253	NUCHATLITZ INLET	325	02	03	27	19	0	0	100	76
07	077	EAST HIGGINS PASS	326	02	04	02	19	0	0	100	89
05	052	VISCOUNT POINT	327	02	04	03	29	0	0	100	92
07	072	TANKEEAH RIVER	328	02	03	27	29	0	0	100	94
05	052	GOSCHEN POINT	329	02	04	02	29	5	0	100	97
04	042	TUGWELL ISLAND	330	02	03	13	29	5	0	100	94
05	052	SHAKES ISLANDS	331	02	04	03	29	5	0	100	99
05	053	TANGENT ISLAND	332	02	04	17	19	5	0	100	92
07	078	NEEKAS INLET	333	02	03	27	29	0	0	100	87
05	052	GURD INLET	334	02	04	06	29	5	0	100	95
04	042	TUGWELL ISLAND	335	02	03	14	29	5	0	100	90
05	052	GOSCHEN POINT	336	02	04	05	29	0	0	100	90
05	052	ABSALOM ISLAND	337	02	04	07	29	5	0	100	97
04	042	OTTER ANCHORAGE	338	02	03	20	29	4	0	100	94
05	052	GOSCHEN POINT	339	02	04	01	29	5	0	100	95
05	052	WILLIS BAY	340	02	04	03	29	5	0	100	97
04	042	HODGSON REEF	341	02	03	23	29	5	0	100	93
05	052	GURD ISLAND	342	02	04	07	29	5	0	100	98
04	042	TUGWELL ISLAND	345	02	03	22	29	5	0	100	95
04	042	TREE BLUFF	346	02	03	21	29	5	0	100	93
05	052	GOSCHEN POINT	347	02	03	31	29	5	0	100	91
04	042	HOGAN LEDGE	348	02	03	13	29	5	0	100	95
04	043	HUNT INLET	349	02	04	08	29	5	0	100	92
03	033	BIRNIE ISLAND	350	02	03	18	1	5	0	100	98
04	042	HODGSON REEF	351	02	03	16	29	5	0	100	96
04	042	TUGWELL ISLAND	352	02	03	18	29	5	0	100	95
04	042	TUGWELL ISLAND	353	02	03	19	29	5	0	100	94
05	052	GOSCHEN POINT	354	02	03	28	29	5	0	100	71
04	042	TUGWELL ISLAND	355	02	03	20	29	5	0	100	96
00	006	LOUSCOONE INLET	356	02	03	02	29	4	0	100	96
05	053	WILSON INLET	357	02	04	17	19	5	0	100	88
17	172	LANTZVILLE	358	02	01	07	29	6	0	100	92

Note: There were no sample 343 nor 344

Table 4. Test fishing vessels chartered during the 2002 season, areas and dates of operation, seine sets completed, and samples processed.

REGION	VESSEL	STAT AREAS	DURATION	# SAMPLES PROCESSED
QUEEN CHARLOTTE ISLANDS	Queens Reach	2E	Feb 27 - Mar 28	14
	Viking Pride	2E, 2W	Mar 11 - Apr 05	17*
	Haida Storm	2E, 2W	Mar 15 - Apr 25	--
QCI TOTAL				31
PRINCE RUPERT DISTRICT	Ocean Venture	3, 4, 5	Mar 11 - Apr 08	21
	Ocean Horizon	5	Mar 17 - Apr 08	12
	Royal Pride*	3, 4, 5	Mar 06 - Apr 25	2
	Ocean Marauder^	4, 5	Mar 26 - Apr 02	12
PRD TOTAL				47
CENTRAL COAST	Ocean Royal	6, 7, 8	Mar 10 - Mar 29	11
	Christav	6, 7	Mar 09 - Apr 18	12
	Kynoc	7, 8, 9, 10	Mar 02 - Mar 31	26
	Ocean Explorer*	6, 7, 8	Mar 15 - Apr 16	--
	Lasqueti Star**	7	Mar 09 - Apr 05	--
	Ocean Marauder^	6, 7, 8	Mar 20 - Mar 25	8
CC TOTAL				57
STRAIT OF GEORGIA	Western Ranger	14, 15, 17, 19	Feb 22 - Mar 19	14
	Royal Mariner	14	Feb 24 - Mar 22	18
	Ocean Royal	9, 10, 14, 17, 19	Feb 24 - Mar 09	11
	Bernice C	14	Feb 26 - Mar 07	9
	Endurance*	13, 14, 17, 18, 19	Mar 02 - Apr 05	--
	Silver Viking*	13, 14, 17, 18, 19	Mar 02 - Apr 04	--
	Snowdrift**s	14	Feb 25 - Mar 18	--
	Free to Wander**G	14	Feb 28 - Mar 22	--
	Port Lincoln***	12	Mar 01 - Mar 31	--
	Discovery Huntress***	13	Mar 03 - Mar 10	--
	Ocean Marauder^	14	Mar 05 - Mar 19	9
SG TOTAL				61
WEST COAST VANCOUVER ISLAND	Pacific Quest	23	Feb 22 - Mar 23	22
	Royal Viking	24, 25	Feb 26 - Apr 07	14
	Viking Joy	25	Feb 26 - Apr 06	20
	Ocean Horizon	27	Feb 28 - Mar 13	5
	Marila***	23	Mar 04 - Mar 29	--
WCVI TOTAL				61
TOTAL				257

* - Gillnet test and spawn assessment - no samples collected.
** - Management platform (s -seine, G - gillnet) - no samples collected.
*** - Charter patrol and spawn survey - no samples collected.
^ - Tagging platform.

Table 5. Estimated age composition for 2002 charter, seine and gillnet roe fishery samples.

SECTION	SOURCE	GEAR	PERCENT AT AGE										NUMBER AGED
			0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
002 PORT LOUIS	5	29	0	39	15	7	21	10	4	2	2	0	378
003 RENNELL SOUND	5	29	0	39	28	2	14	8	5	2	1	0	484
004 CARTWRIGHT SOUND	5	29	0	93	6	1	0	0	0	0	0	0	95
005 ENGLEFIELD BAY	5	29	0	9	29	5	31	8	11	3	2	1	287
021 JUAN PEREZ SOUND	0	29	0	15	21	26	15	4	16	2	1	0	875
021 JUAN PEREZ SOUND	5	29	0	27	25	23	11	2	11	1	0	0	1228
025 SKINCUTTLE INLET	5	29	0	53	20	13	5	2	6	1	0	0	468
042 AREA 4 NORTH	0	19	0	0	0	7	20	12	27	16	15	2	879
042 AREA 4 NORTH	5	29	0	1	20	47	16	4	6	3	2	0	1619
043 AREA 4 SOUTH	5	29	0	4	15	40	20	2	11	3	4	0	92
052 KITKATLA INLET	0	29	0	8	19	29	23	5	10	4	2	0	1129
052 KITKATLA INLET	5	29	0	7	20	33	19	4	12	4	2	0	2365
053 PRINCIPIE CHANNEL	5	29	0	6	52	29	7	0	4	1	0	0	94
067 KITASU BAY	5	29	0	2	28	10	22	6	22	8	1	0	944
072 POWELL ANCHORAGE	0	29	0	4	24	8	17	8	26	10	2	1	792
072 POWELL ANCHORAGE	5	29	0	7	42	10	12	5	15	7	2	0	1336
074 THOMPSON BAY	5	29	0	10	48	9	12	5	10	5	1	0	1134
077 MILBANKE SOUND	0	19	0	0	1	6	21	8	47	16	1	0	504
077 MILBANKE SOUND	0	29	0	1	18	9	25	6	29	10	2	0	191
077 MILBANKE SOUND	5	29	0	1	18	10	23	5	30	12	1	0	758
078 DON PENINSULA	0	29	0	1	27	13	23	3	22	10	1	1	176
078 DON PENINSULA	5	29	0	19	44	9	9	4	10	4	1	0	466
085 KWAKSHUA CHANNEL	5	29	0	4	44	9	20	6	8	7	0	0	562
092 RIVERS INLET MOUTH	5	29	0	3	47	6	20	7	7	9	1	0	192
093 RIVERS INLET HEAD	5	29	0	9	68	4	3	6	4	4	1	0	90
103 SMITH INLET	5	29	0	3	28	6	11	19	14	14	4	1	185
141 OTHER AREA 14	0	19	0	0	0	25	26	13	30	6	0	0	84
142 BAYNES SOUND	0	19	0	0	6	21	30	18	21	3	0	0	419
142 BAYNES SOUND	0	29	0	1	38	34	20	4	3	1	0	0	909
142 BAYNES SOUND	5	29	0	8	52	26	11	2	2	0	0	0	3384
143 QUALICUM	0	19	0	0	7	29	40	10	10	3	0	0	167
143 QUALICUM	5	29	0	7	52	23	11	3	3	0	0	0	1222
152 POWELL RIVER	5	29	61	28	10	0	0	0	0	0	0	0	88
172 NANOOSE BAY	0	19	0	0	3	20	28	19	19	9	1	0	245
173 YELLOW POINT	5	29	0	12	55	21	8	1	2	0	0	0	549
191 SAANICH INLET	5	29	0	10	58	26	4	2	1	0	0	0	175
232 MACOAH PASS	5	29	0	8	57	24	5	3	2	1	0	0	1926
233 IMPERIAL EAGLE CHANNEL	5	29	0	19	61	16	2	1	1	0	0	0	90
243 SYDNEY INLET	5	29	0	17	47	22	5	2	2	5	0	0	156
245 VARGAS ISLAND	5	29	63	31	6	0	0	0	0		0	0	62
251 OTHER AREA 25	5	29	35	4	25	18	9	2	4	2	1	0	147
252 NOOTKA SOUND	5	29	0	7	58	21	9	2	3	1	0	0	190
253 ESPERANZA INLET	0	19	0	0	0	10	29	15	21	22	2	0	535
253 ESPERANZA INLET	5	29	0	4	52	23	10	3	4	4	0	0	2199
272 BROOKS BAY	5	29	0	11	60	18	10	1	0	1	0	0	190
273 FORWARD INLET	5	29	0	5	65	14	10	1	4	1	0	0	277

Table 6. Summary of 2002 roe herring fisheries and landings (Tons).

AREA	LICENCES	QUOTA	CATCH	% TOTAL CATCH	FISHERY	DURATION (Hours)
WCVI - GN	63	500	428	1.6%	Open 0900 Mar 26 to 1600 Mar 28 in 25-13	55.0
GULF - SN	144	9,442	9,685	35.8%	Open 0830 to 2130 Mar 7 in 14 - 11 and Ptn 14 -14 & 14 -15	31.4
					Open 0837 to 1900 Mar 8 in 14 - 11 and Ptn 14 -14 & 14 -15	
GULF - GN	922	8,375	8,640	31.9%	Open 1300 Mar 17 to 1600 Mar 20 in 14 -1 to 14 -13 and 14-15, 17-12, 17-18, 17-19, 17-21	75.0
C. COAST - SN	55	2,633	2,636	9.7%	Open 0600 to 1930 Mar 27 in 7-13 and Ptn 7-12, 7-14 & 7-15	35.7
					Open 0530 to 2105 Mar 28 in 7-13 and Ptn 7-3, 7-12, 7-14 & 7-15	
					Open 0530 to 1205 Mar 29 in 7-13 and Ptn 7-3, 7-12, 7-14 & 7-15	
C. COAST - GN	48	450	439	1.6%	Open 1000 Apr 2 to 1100 Apr 4 in 6 -17 & Ptn 6-16 and 7-3	65.0
					Open 1430 Apr 4 to 0630 Apr 5 in Ptn 7-9	
N. COAST - SN	33	2,000	2,059	7.6%	Open 1145 to 2100 Apr 3 in 5-10 & 5-11	37.8
					Open 0530 to 1400 Apr 4 in 5-10 & 5-11	
					Open 0914 to 2000 Apr 5 in 5-10 & 5-11 and Ptn 5-4	
					Open 0615 to 1530 Apr 6 in 5-10 & 5-11 and Ptn 5-4	
N. COAST - GN	213	2,600	2,681	9.9%	Open 1400 Mar 25 to 1700 Mar 29 in 4-5 to 4-9 and Ptn 4-10	99.0
QCI - SN	8	500	502	1.9%	Open 0630 to 1420 Mar 22 in 2-12 & 2-13	7.8
TOTAL - SN	240	14,575	14,882	55.0%	Seine Total	113
TOTAL - GN	1,246	11,925	12,188	45.0%	Gillnet Total	294
TOTAL		26,500	27,070	100.0%	Total	406.7

*Note: CATCH % REPRESENTS PERCENTAGE OF TOTAL COASTWIDE CATCH

CATCHES ARE VALIDATED LANDINGS IN TONS

Table 7. Biological samples collected in the 2001/02 season by statistical area and source.

Area	Test Fishery	Roe fishery		Research		SOK	Hake J/V	Food	Area Total
		Seine	Gillnet	Offshore	Inshore				
2W	13					02*			13
2E	18	10				06			34
3	01								01
4	18		10			01			29
5	28	12				02			42
6	10								10
7	39	13	06			02			60
8	06								06
9	03								03
10	02								02
14	49	10	08					04	71
15	01								01
16								01	01
17	06		03					15	24
19	02								02
21				02			01		03
23	22			12			08		42
24	06								06
25	28		07						35
27	05								05
Fishery Total	257	45	34	14	0	11	9	20	390

*SOK samples in 2W are from Louscoone, included in the major assessment region (QCI).

Table 8. Trawl research sample summaries by section.

SECTION: 219 - OFFSHORE AREA 21
SAMPLE NUMBERS: 32, 10,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: AUG 3/2001 - AUG 4/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	58	42	32	4	2	3	0	0	0	59	200
% AT AGE	0.00	41.13	29.79	22.70	2.84	1.42	2.13	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	140.60	169.60	188.31	194.50	203.50	222.33	0.00	0.00	0.00	171.80	166.46
- STD. DEV.	0.00	8.09	15.09	11.33	11.09	2.12	8.74	0.00	0.00	0.00	23.18	24.57
WEIGHT - MEAN(gm)	0.00	35.05	73.00	105.59	125.00	139.50	197.33	0.00	0.00	0.00	81.39	73.25
- STD. DEV.	0.00	6.26	21.95	23.77	20.41	13.44	11.02	0.00	0.00	0.00	38.16	39.68

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	31	166	3	0	0	0	0	0	0
% AT STAGE	15.50	83.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	0	0	14
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	30	14	156	200
%	15.00	7.00	78.00	100.00
MEAN WEIGHT	126.37	91.14	61.44	73.25
% SAMP. WT.	25.88	9.71	65.42	100.00

Table 8 (cont'd)

SECTION: 239 - OFFSHORE AREA 23
SAMPLE NUMBERS: 8, 19, 7, 17, 5, 4, 15, 2, 22, 14, 1, 21,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: JUL 1/2001 - AUG 3/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	129	659	177	54	12	9	1	0	0	158	1199
% AT AGE	0.00	12.39	63.30	17.00	5.19	1.15	0.86	0.10	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	145.91	169.88	180.66	191.74	206.58	212.78	230.00	0.00	0.00	162.24	169.61
- STD. DEV.	0.00	9.08	11.13	11.76	16.12	8.74	14.79	0.00	0.00	0.00	17.92	17.07
WEIGHT - MEAN(gm)	0.00	40.54	70.44	85.09	103.17	133.92	146.89	184.00	0.00	0.00	62.70	71.14
- STD. DEV.	0.00	7.59	14.41	18.26	20.13	15.04	32.98	0.00	0.00	0.00	23.51	23.40

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	281	867	49	0	0	0	0	2	0
% AT STAGE	23.44	72.31	4.09	0.00	0.00	0.00	0.00	0.17	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	155	0	1	156
%	99.36	0.00	0.64	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	87	156	956	1199
%	7.26	13.01	79.73	100.00
MEAN WEIGHT	92.97	90.98	65.92	71.14
% SAMP. WT.	9.48	16.64	73.88	100.00

Table 9. Food and bait fishery sample summaries by section.

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 28,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: FEB 5/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	57	18	6	3	0	0	0	0	13	100
% AT AGE	0.00	3.45	65.52	20.69	6.90	3.45	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.67	177.49	185.06	193.17	198.00	0.00	0.00	0.00	0.00	185.23	180.97
- STD. DEV.	0.00	24.42	14.57	11.17	6.94	2.00	0.00	0.00	0.00	0.00	15.07	14.97
WEIGHT - MEAN(gm)	0.00	61.67	79.79	90.39	106.50	122.67	0.00	0.00	0.00	0.00	90.46	85.43
- STD. DEV.	0.00	28.54	20.58	18.97	14.34	21.59	0.00	0.00	0.00	0.00	18.88	22.20

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	3	5	81	10	0	0	0	0
% AT STAGE	1.00	3.00	5.00	81.00	10.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	48	6	0	54
%	88.89	11.11	0.00	100.00
% SAMPLE WEIGHT	15.89	2.16	0.00	18.05

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	44	54	2	100
%	44.00	54.00	2.00	100.00
MEAN WEIGHT	80.91	90.80	40.00	85.43
% SAMP. WT.	41.67	57.39	0.94	100.00

Table 9 (cont'd)

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 25, 87, 27,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: FEB 6/2002 - FEB 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	23	189	56	12	0	0	1	0	0	19	300
% AT AGE	0.00	8.19	67.26	19.93	4.27	0.00	0.00	0.36	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.22	179.63	186.48	202.58	0.00	0.00	220.00	0.00	0.00	181.68	180.38
- STD. DEV.	0.00	11.23	10.47	9.85	9.96	0.00	0.00	0.00	0.00	0.00	15.01	13.68
WEIGHT - MEAN(gm)	0.00	50.00	75.68	87.13	116.33	0.00	0.00	139.00	0.00	0.00	80.95	78.02
- STD. DEV.	0.00	10.56	14.32	14.90	16.44	0.00	0.00	0.00	0.00	0.00	18.32	18.96

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	1	9	248	41	0	0	0	0
% AT STAGE	0.33	0.33	3.00	82.67	13.67	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	133	10	0	143
%	93.01	6.99	0.00	100.00
% SAMPLE WEIGHT	14.10	1.90	0.00	16.01

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	155	143	2	300
%	51.67	47.67	0.67	100.00
MEAN WEIGHT	74.95	81.91	37.00	78.02
% SAMP. WT.	49.64	50.04	0.32	100.00

Table 9 (cont'd)

SECTION: 163 - MALISPINA STRAIT
SAMPLE NUMBERS: 29,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: FEB 3/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	46	31	4	0	0	1	0	0	0	17	100
% AT AGE	1.20	55.42	37.35	4.82	0.00	0.00	1.20	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	100.00	136.83	140.81	150.25	0.00	0.00	183.00	0.00	0.00	0.00	138.94	139.05
- STD. DEV.	0.00	7.80	13.34	16.48	0.00	0.00	0.00	0.00	0.00	0.00	9.40	12.14
WEIGHT - MEAN(gm)	12.00	38.24	42.06	52.25	0.00	0.00	93.00	0.00	0.00	0.00	39.12	40.42
- STD. DEV.	0.00	7.91	13.00	18.28	0.00	0.00	0.00	0.00	0.00	0.00	8.12	12.06

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	7	52	20	20	1	0	0	0	0
% AT STAGE	7.00	52.00	20.00	20.00	1.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	19	1	0	20
%	95.00	5.00	0.00	100.00
% SAMPLE WEIGHT	9.24	0.87	0.00	10.11

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	18	20	62	100
%	18.00	20.00	62.00	100.00
MEAN WEIGHT	44.67	46.00	37.39	40.42
% SAMP. WT.	19.89	22.76	57.35	100.00

Table 9 (cont'd)

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 196, 27, 28,358, 35,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 6/2001 - JAN 13/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	24	284	106	31	6	1	0	0	0	48	500
% AT AGE	0.00	5.31	62.83	23.45	6.86	1.33	0.22	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.54	179.99	186.76	190.74	201.33	189.00	0.00	0.00	0.00	174.60	181.01
- STD. DEV.	0.00	9.16	9.78	11.29	12.09	9.93	0.00	0.00	0.00	0.00	17.41	12.74
WEIGHT - MEAN(gm)	0.00	60.71	82.44	93.89	104.55	121.50	110.00	0.00	0.00	0.00	80.00	85.49
- STD. DEV.	0.00	11.56	13.46	17.39	23.05	18.02	0.00	0.00	0.00	0.00	24.21	18.84

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	15	190	279	13	0	0	0	0
% AT STAGE	0.60	3.00	38.00	55.80	2.60	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	191	3	0	194
%	98.45	1.55	0.00	100.00
% SAMPLE WEIGHT	6.00	0.26	0.00	6.26

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	294	194	12	500
%	58.80	38.80	2.40	100.00
MEAN WEIGHT	83.55	90.05	59.25	85.49
% SAMP. WT.	57.47	40.87	1.66	100.00

Table 9 (cont'd)

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 3, 29, 34, 33, 26, 31, 25, 30, 24, 36,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 6/2001 - DEC 18/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	35	387	186	44	7	3	1	0	1	336	1000
% AT AGE	0.00	5.27	58.28	28.01	6.63	1.05	0.45	0.15	0.00	0.15	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.69	175.80	185.42	187.84	188.14	183.33	215.00	0.00	154.00	162.15	172.89
- STD. DEV.	0.00	13.96	15.14	12.36	14.42	18.71	22.68	0.00	0.00	0.00	20.93	19.52
WEIGHT - MEAN(gm)	0.00	54.37	83.97	97.59	103.18	106.43	109.00	145.00	0.00	59.00	67.12	80.92
- STD. DEV.	0.00	16.47	21.06	18.81	21.66	37.66	35.59	0.00	0.00	0.00	26.45	26.26

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	23	34	206	717	20	0	0	0	0
% AT STAGE	2.30	3.40	20.60	71.70	2.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	391	1	0	392
%	99.74	0.26	0.00	100.00
% SAMPLE WEIGHT	7.76	0.05	0.00	7.81

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	562	392	46	1000
%	56.20	39.20	4.60	100.00
MEAN WEIGHT	81.94	85.17	32.28	80.92
% SAMP. WT.	56.91	41.26	1.84	100.00

Table 10. Seine roe fishery sample summaries by section.

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 297,291,277,283,311,274,285,281,276,282,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	130	182	230	132	37	141	16	6	1	107	982
% AT AGE	0.00	14.86	20.80	26.29	15.09	4.23	16.11	1.83	0.69	0.11	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.18	175.95	190.38	199.68	206.03	210.30	215.00	223.67	220.00	183.31	188.14
- STD. DEV.	0.00	6.75	10.00	9.87	8.23	9.16	8.26	7.36	8.82	0.00	19.50	19.37
WEIGHT - MEAN(gm)	0.00	53.69	77.27	100.35	117.23	127.65	136.11	149.75	170.00	170.00	89.76	98.47
- STD. DEV.	0.00	8.10	14.15	17.27	17.27	22.98	18.60	17.12	21.79	0.00	32.53	32.64

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	16	677	274	13	1	0
% AT STAGE	0.00	0.00	0.10	1.63	68.94	27.90	1.32	0.10	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	455	3	466
%	1.72	97.64	0.64	100.00
% SAMPLE WEIGHT	0.23	27.82	0.00	28.05

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	515	466	1	982
%	52.44	47.45	0.10	100.00
MEAN WEIGHT	92.03	105.60	96.00	98.47
% SAMP. WT.	49.01	50.89	0.10	100.00

Table 10 (cont'd)

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 313,300,292,295,279,309,327,280,310,316,
336,296,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: APR 3/2002 - APR 6/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	93	219	327	258	52	111	46	19	4	71	1200
% AT AGE	0.00	8.24	19.40	28.96	22.85	4.61	9.83	4.07	1.68	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	150.71	170.74	184.34	195.56	199.21	207.45	207.91	216.21	221.50	182.44	185.87
- STD. DEV.	0.00	7.33	9.45	10.51	11.13	8.96	10.97	8.32	9.54	9.26	25.02	19.49
WEIGHT - MEAN(gm)	0.00	45.78	67.33	88.74	107.99	114.25	130.26	127.85	144.47	160.50	89.30	93.24
- STD. DEV.	0.00	8.09	12.86	17.79	22.64	17.59	26.02	21.75	20.58	25.00	37.17	31.81

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	26	807	326	40	0	0
% AT STAGE	0.00	0.08	0.00	2.17	67.25	27.17	3.33	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	556	14	584
%	2.40	95.21	2.40	100.00
% SAMPLE WEIGHT	0.33	27.62	0.00	27.95

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	615	584	1	1200
%	51.25	48.67	0.08	100.00
MEAN WEIGHT	85.94	101.00	57.00	93.24
% SAMP. WT.	47.24	52.71	0.05	100.00

Table 10 (cont'd)

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 314,319,286,315,298,307,294,328,275,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 27/2002 - MAR 29/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	30	189	67	135	66	205	81	14	5	108	900
% AT AGE	0.00	3.79	23.86	8.46	17.05	8.33	25.88	10.23	1.77	0.63	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.90	170.34	183.66	197.93	199.38	208.60	210.60	213.71	228.20	178.22	191.60
- STD. DEV.	0.00	13.57	11.06	12.93	9.65	10.66	10.02	9.71	6.65	4.44	20.27	20.53
WEIGHT - MEAN(gm)	0.00	61.10	68.54	88.55	116.64	119.80	141.64	147.75	149.21	184.20	84.76	108.38
- STD. DEV.	0.00	23.15	15.59	21.95	20.61	23.66	27.08	27.81	24.12	15.80	35.48	39.70

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	2	1	14	680	196	6	0	0
% AT STAGE	0.11	0.22	0.11	1.56	75.56	21.78	0.67	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	478	5	491
%	1.63	97.35	1.02	100.00
% SAMPLE WEIGHT	0.15	28.86	0.00	29.01

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	407	491	2	900
%	45.22	54.56	0.22	100.00
MEAN WEIGHT	100.91	114.84	42.50	108.38
% SAMP. WT.	42.11	57.81	0.09	100.00

Table 10 (cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 305,321,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 28/2002 - MAR 29/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	35	17	47	12	56	19	3	0	9	200
% AT AGE	0.00	1.05	18.32	8.90	24.61	6.28	29.32	9.95	1.57	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.50	172.40	191.41	195.28	199.17	202.87	203.89	205.00	0.00	188.89	193.57
- STD. DEV.	0.00	0.71	8.00	7.71	9.62	7.83	10.23	15.71	6.00	0.00	19.97	15.61
WEIGHT - MEAN(gm)	0.00	49.00	70.80	99.00	103.11	112.00	117.07	124.00	108.33	0.00	95.00	102.71
- STD. DEV.	0.00	2.83	13.03	15.01	16.12	17.39	20.98	30.59	10.60	0.00	33.34	26.36

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	125	70	3	0	0
% AT STAGE	0.00	0.00	0.00	1.00	62.50	35.00	1.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	96	0	98
%	2.04	97.96	0.00	100.00
% SAMPLE WEIGHT	0.25	27.61	0.00	27.85

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	102	98	0	200
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	97.47	108.15	0.00	102.71
% SAMP. WT.	48.40	51.60	0.00	100.00

Table 10 (cont'd)

SECTION: 78 - DON PENINSULA
SAMPLE NUMBERS: 333,318,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 27/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	47	22	41	5	39	17	1	2	24	200
% AT AGE	0.00	1.14	26.70	12.50	23.30	2.84	22.16	9.66	0.57	1.14	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.50	174.19	184.23	190.88	205.40	201.62	207.24	202.00	231.00	187.67	189.88
- STD. DEV.	0.00	4.95	15.55	15.85	15.25	10.19	19.05	12.01	0.00	21.21	21.16	20.29
WEIGHT - MEAN(gm)	0.00	63.50	77.00	92.32	103.73	131.20	125.49	135.18	125.00	200.00	102.37	104.30
- STD. DEV.	0.00	0.71	25.25	29.19	25.56	19.10	37.24	25.61	0.00	67.88	41.43	37.50

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	141	57	1	0	0
% AT STAGE	0.00	0.00	0.00	0.50	70.50	28.50	0.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	101	0	102
%	0.98	99.02	0.00	100.00
% SAMPLE WEIGHT	0.12	29.62	0.00	29.74

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	98	102	0	200
%	49.00	51.00	0.00	100.00
MEAN WEIGHT	98.85	109.54	0.00	104.30
% SAMP. WT.	46.44	53.56	0.00	100.00

Table 10 (cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 78, 82, 81, 91, 88, 76, 83, 86, 85, 72,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2002 - MAR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	341	306	180	35	31	6	0	0	91	1000
% AT AGE	0.00	1.10	37.51	33.66	19.80	3.85	3.41	0.66	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.80	185.18	191.42	195.57	203.63	207.52	207.33	0.00	0.00	186.95	190.39
- STD. DEV.	0.00	10.84	9.25	9.35	10.23	8.59	9.28	8.52	0.00	0.00	13.82	11.73
WEIGHT - MEAN(gm)	0.00	60.60	88.40	102.12	110.65	125.23	136.48	147.00	0.00	0.00	92.95	99.87
- STD. DEV.	0.00	12.00	15.70	17.44	19.67	20.17	22.20	23.65	0.00	0.00	23.15	22.18

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	18	686	295	1	0	0
% AT STAGE	0.00	0.00	0.00	1.80	68.60	29.50	0.10	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	11	461	1	473
%	2.33	97.46	0.21	100.00
% SAMPLE WEIGHT	0.43	27.87	0.00	28.30

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	527	473	0	1000
%	52.70	47.30	0.00	100.00
MEAN WEIGHT	94.58	105.76	0.00	99.87
% SAMP. WT.	49.91	50.09	0.00	100.00

Table 11. Gillnet roe fishery sample summaries by section.

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 284,301,302,278,273,299,293,303,287,304,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 25/2002 - MAR 29/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	1	62	178	103	241	139	135	20	121	1000
% AT AGE	0.00	0.00	0.11	7.05	20.25	11.72	27.42	15.81	15.36	2.28	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	214.00	206.69	210.69	212.25	213.85	216.35	217.38	220.20	212.82	213.51
- STD. DEV.	0.00	0.00	0.00	8.38	8.03	7.65	9.50	9.14	9.37	10.61	8.70	9.31
WEIGHT - MEAN(gm)	0.00	0.00	135.00	131.71	136.11	139.06	144.43	148.52	151.27	157.65	142.40	143.11
- STD. DEV.	0.00	0.00	0.00	15.77	16.90	17.34	21.11	22.80	21.29	24.43	20.70	20.87

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	5	1	690	296	7	0	0
% AT STAGE	0.10	0.00	0.50	0.10	69.00	29.60	0.70	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	477	2	480
%	0.21	99.38	0.42	100.00
% SAMPLE WEIGHT	0.00	28.85	0.00	28.85

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	519	480	1	1000
%	51.90	48.00	0.10	100.00
MEAN WEIGHT	141.22	145.14	145.00	143.11
% SAMP. WT.	51.22	48.68	0.10	100.00

Table 11 (cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 320,326,324,288,308,290,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: APR 2/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	3	30	105	38	237	83	7	1	96	600
% AT AGE	0.00	0.00	0.60	5.95	20.83	7.54	47.02	16.47	1.39	0.20	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	180.33	198.30	202.24	203.39	206.58	209.72	211.71	214.00	206.23	205.52
- STD. DEV.	0.00	0.00	2.08	7.97	5.68	7.18	7.71	8.54	8.94	0.00	8.06	8.25
WEIGHT - MEAN(gm)	0.00	0.00	74.00	115.97	122.90	125.79	130.88	135.43	146.00	170.00	131.89	129.16
- STD. DEV.	0.00	0.00	2.65	17.01	13.26	11.98	17.55	21.16	21.79	0.00	15.78	18.05

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	397	197	6	0	0
% AT STAGE	0.00	0.00	0.00	0.00	66.17	32.83	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	353	3	356
%	0.00	99.16	0.84	100.00
% SAMPLE WEIGHT	0.00	28.81	0.00	28.81

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	244	356	0	600
%	40.67	59.33	0.00	100.00
MEAN WEIGHT	122.45	133.76	0.00	129.16
% SAMP. WT.	38.55	61.45	0.00	100.00

Table 11 (cont'd)

SECTION: 141 - OTHER AREA 14
SAMPLE NUMBERS: 84,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	21	22	11	25	5	0	0	16	100
% AT AGE	0.00	0.00	0.00	25.00	26.19	13.10	29.76	5.95	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	203.43	206.95	210.73	210.96	224.60	0.00	0.00	205.75	208.32
- STD. DEV.	0.00	0.00	0.00	5.92	7.60	7.70	6.70	5.41	0.00	0.00	8.00	8.33
WEIGHT - MEAN(gm)	0.00	0.00	0.00	129.81	134.27	138.18	137.32	152.80	0.00	0.00	129.31	134.66
- STD. DEV.	0.00	0.00	0.00	10.24	16.72	11.85	16.47	18.95	0.00	0.00	17.53	15.84

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	63	34	3	0	0
% AT STAGE	0.00	0.00	0.00	0.00	63.00	34.00	3.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	53	2	55
%	0.00	96.36	3.64	100.00
% SAMPLE WEIGHT	0.00	29.54	0.00	29.54

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	45	55	0	100
%	45.00	55.00	0.00	100.00
MEAN WEIGHT	130.49	138.07	0.00	134.66
% SAMP. WT.	43.61	56.39	0.00	100.00

Table 11 (cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 80, 74, 73, 75, 90,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 17/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	25	86	127	75	89	14	2	1	81	500
% AT AGE	0.00	0.00	5.97	20.53	30.31	17.90	21.24	3.34	0.48	0.24	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	194.84	202.66	204.44	208.89	212.09	217.93	221.00	207.00	204.59	206.16
- STD. DEV.	0.00	0.00	5.66	8.34	7.39	8.03	7.34	10.56	9.90	0.00	10.33	9.40
WEIGHT - MEAN(gm)	0.00	0.00	113.36	123.66	128.00	134.68	140.69	159.57	147.50	112.00	129.42	130.94
- STD. DEV.	0.00	0.00	11.00	13.96	14.35	15.83	16.69	20.65	33.23	0.00	15.46	17.32

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	352	142	5	0	0
% AT STAGE	0.00	0.00	0.00	0.20	70.40	28.40	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	284	1	286
%	0.35	99.30	0.35	100.00
% SAMPLE WEIGHT	0.09	29.38	0.00	29.47

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	214	286	0	500
%	42.80	57.20	0.00	100.00
MEAN WEIGHT	129.70	131.87	0.00	130.94
% SAMP. WT.	42.39	57.61	0.00	100.00

Table 11 (cont'd)

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 77, 70,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 17/2002 - MAR 17/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	12	49	67	17	17	5	0	0	33	200
% AT AGE	0.00	0.00	7.19	29.34	40.12	10.18	10.18	2.99	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	197.33	201.45	204.96	211.18	211.71	212.60	0.00	0.00	203.70	204.73
- STD. DEV.	0.00	0.00	5.38	5.76	7.42	8.53	8.18	6.77	0.00	0.00	10.21	8.49
WEIGHT - MEAN(gm)	0.00	0.00	111.00	119.88	124.76	135.71	137.47	136.60	0.00	0.00	124.18	124.95
- STD. DEV.	0.00	0.00	13.54	9.72	12.75	11.84	18.68	16.15	0.00	0.00	16.42	14.82

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	157	40	3	0	0
% AT STAGE	0.00	0.00	0.00	0.00	78.50	20.00	1.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	127	0	127
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	28.79	0.00	28.79

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	73	127	0	200
%	36.50	63.50	0.00	100.00
MEAN WEIGHT	123.62	125.72	0.00	124.95
% SAMP. WT.	36.11	63.89	0.00	100.00

Table 11 (cont'd)

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 79, 69, 71,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 17/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	8	50	69	46	47	21	3	1	55	300
% AT AGE	0.00	0.00	3.27	20.41	28.16	18.78	19.18	8.57	1.22	0.41	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	194.62	202.58	205.32	210.54	213.68	214.10	221.33	222.00	206.56	207.75
- STD. DEV.	0.00	0.00	5.80	7.29	6.13	6.91	8.93	9.83	5.51	0.00	7.45	8.78
WEIGHT - MEAN(gm)	0.00	0.00	117.00	124.98	133.78	143.63	145.32	145.71	166.33	173.00	133.65	136.45
- STD. DEV.	0.00	0.00	7.96	12.98	14.33	17.59	19.24	24.39	24.79	0.00	15.23	18.44

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	226	71	3	0	0
% AT STAGE	0.00	0.00	0.00	0.00	75.33	23.67	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	177	1	178
%	0.00	99.44	0.56	100.00
% SAMPLE WEIGHT	0.00	30.10	0.00	30.10

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	122	178	0	300
%	40.67	59.33	0.00	100.00
MEAN WEIGHT	133.13	138.73	0.00	136.45
% SAMP. WT.	39.68	60.32	0.00	100.00

Table 11 (cont'd)

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 289,306,317,322,323,312,325,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 25/2002 - MAR 27/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	55	154	82	110	120	12	2	165	700
% AT AGE	0.00	0.00	0.00	10.28	28.79	15.33	20.56	22.43	2.24	0.37	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	205.40	210.30	214.24	217.61	220.22	225.17	228.50	214.35	214.49
- STD. DEV.	0.00	0.00	0.00	7.48	7.16	7.28	7.59	7.33	5.61	0.71	9.02	8.93
WEIGHT - MEAN(gm)	0.00	0.00	0.00	132.02	145.03	151.90	157.51	163.43	175.08	193.00	151.01	151.99
- STD. DEV.	0.00	0.00	0.00	13.53	15.82	17.54	17.36	20.73	19.73	31.11	19.71	20.17

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	481	212	7	0	0
% AT STAGE	0.00	0.00	0.00	0.00	68.71	30.29	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	419	2	421
%	0.00	99.52	0.48	100.00
% SAMPLE WEIGHT	0.00	31.38	0.00	31.38

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	279	421	0	700
%	39.86	60.14	0.00	100.00
MEAN WEIGHT	145.73	156.14	0.00	151.99
% SAMP. WT.	38.22	61.78	0.00	100.00

Table 12. Spawn on kelp seine sample summaries by section.

SECTION: 6 - LOUSCOONE INLET
SAMPLE NUMBERS: 356,157,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: FEB 27/2002 - MAR 2/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	122	13	14	1	18	3	1	1	11	200
% AT AGE	0.00	8.47	64.55	6.88	7.41	0.53	9.52	1.59	0.53	0.53	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.94	192.35	193.46	213.14	222.00	230.61	232.33	237.00	226.00	187.82	195.86
- STD. DEV.	0.00	8.58	10.51	11.67	13.72	0.00	7.64	7.77	0.00	0.00	17.57	19.49
WEIGHT - MEAN(gm)	0.00	60.38	101.39	103.54	143.64	182.00	189.28	190.33	223.00	166.00	93.45	111.35
- STD. DEV.	0.00	9.46	20.85	17.00	31.71	0.00	30.09	40.50	0.00	0.00	39.97	40.49

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	109	72	19	0	0
% AT STAGE	0.00	0.00	0.00	0.00	54.50	36.00	9.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	85	9	94
%	0.00	90.43	9.57	100.00
% SAMPLE WEIGHT	0.00	24.76	0.00	24.76

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	106	94	0	200
%	53.00	47.00	0.00	100.00
MEAN WEIGHT	109.20	113.77	0.00	111.35
% SAMP. WT.	51.98	48.02	0.00	100.00

Table 12 (cont'd)

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 262,160,162,174,164,154,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 19/2002 - MAR 23/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	148	117	149	68	16	55	8	3	0	35	599
% AT AGE	0.00	26.24	20.74	26.42	12.06	2.84	9.75	1.42	0.53	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.22	173.50	188.08	196.10	201.00	206.58	211.37	216.00	0.00	176.46	180.83
- STD. DEV.	0.00	7.58	8.96	9.84	10.57	4.80	7.31	5.97	10.44	0.00	18.63	18.70
WEIGHT - MEAN(gm)	0.00	55.86	75.08	100.47	115.84	124.50	135.75	143.12	146.67	0.00	84.77	90.00
- STD. DEV.	0.00	9.18	12.16	18.38	19.00	14.18	18.62	20.16	25.54	0.00	27.64	31.23

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	29	459	108	3	0	0
% AT STAGE	0.00	0.00	0.00	4.84	76.63	18.03	0.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	10	290	1	301
%	3.32	96.35	0.33	100.00
% SAMPLE WEIGHT	0.40	26.06	0.00	26.46

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	298	301	0	599
%	49.75	50.25	0.00	100.00
MEAN WEIGHT	82.68	97.24	0.00	90.00
% SAMP. WT.	45.70	54.30	0.00	100.00

Table 12 (cont'd)

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 338,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	20	42	20	3	5	3	1	0	6	100
% AT AGE	0.00	0.00	21.28	44.68	21.28	3.19	5.32	3.19	1.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	164.40	179.10	189.75	210.00	195.20	211.33	222.00	0.00	178.67	181.39
- STD. DEV.	0.00	0.00	8.30	9.20	13.88	14.00	9.01	19.50	0.00	0.00	25.03	16.89
WEIGHT - MEAN(gm)	0.00	0.00	61.40	80.48	98.00	131.33	105.40	153.00	171.00	0.00	85.83	86.34
- STD. DEV.	0.00	0.00	7.30	15.13	22.93	35.73	20.95	44.64	0.00	0.00	33.16	28.28

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	62	35	0	0	0
% AT STAGE	0.00	0.00	0.00	3.00	62.00	35.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	53	0	54
%	1.85	98.15	0.00	100.00
% SAMPLE WEIGHT	0.33	24.94	0.00	25.27

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	46	54	0	100
%	46.00	54.00	0.00	100.00
MEAN WEIGHT	83.70	88.59	0.00	86.34
% SAMP. WT.	44.59	55.41	0.00	100.00

Table 12 (cont'd)

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 251,256,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 24/2002 - MAR 25/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	29	76	35	3	26	8	4	1	16	200
% AT AGE	0.00	1.09	15.76	41.30	19.02	1.63	14.13	4.35	2.17	0.54	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.50	172.55	185.87	197.86	193.67	209.00	207.87	217.75	220.00	196.37	191.41
- STD. DEV.	0.00	9.19	9.04	10.68	7.52	7.37	10.12	13.45	10.37	0.00	13.63	15.91
WEIGHT - MEAN(gm)	0.00	46.00	69.52	90.95	109.49	99.67	131.73	125.00	151.25	145.00	108.69	100.32
- STD. DEV.	0.00	9.90	11.29	17.45	15.45	24.83	21.22	15.44	28.10	0.00	25.93	27.30

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	151	46	0	0	0
% AT STAGE	0.00	0.00	0.00	1.50	75.50	23.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	98	0	99
%	1.01	98.99	0.00	100.00
% SAMPLE WEIGHT	0.18	27.39	0.00	27.57

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	101	99	0	200
%	50.50	49.50	0.00	100.00
MEAN WEIGHT	95.06	105.70	0.00	100.32
% SAMP. WT.	47.85	52.15	0.00	100.00

Table 12 (cont'd)

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 89,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 28/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	33	9	20	5	13	9	2	0	8	100
% AT AGE	0.00	1.09	35.87	9.78	21.74	5.43	14.13	9.78	2.17	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	171.00	176.56	196.05	193.60	207.08	208.44	214.00	0.00	186.25	187.71
- STD. DEV.	0.00	0.00	13.87	7.35	10.40	14.01	11.91	16.37	14.14	0.00	23.78	20.11
WEIGHT - MEAN(gm)	0.00	52.00	72.88	84.11	115.85	112.80	144.38	138.22	146.50	0.00	107.87	103.72
- STD. DEV.	0.00	0.00	21.54	17.08	24.08	22.87	23.96	40.20	6.36	0.00	48.35	38.06

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	83	14	1	0	0
% AT STAGE	0.00	0.00	0.00	2.00	83.00	14.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	46	1	49
%	4.08	93.88	2.04	100.00
% SAMPLE WEIGHT	0.50	27.47	0.00	27.97

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	49	0	100
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	93.67	114.18	0.00	103.72
% SAMP. WT.	46.06	53.94	0.00	100.00

Table 12 (cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 265,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 25/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	16	18	14	3	38	8	0	0	2	100
% AT AGE	0.00	1.02	16.33	18.37	14.29	3.06	38.78	8.16	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.00	179.25	191.39	198.29	203.00	199.84	203.00	0.00	0.00	180.50	194.40
- STD. DEV.	0.00	0.00	15.79	9.39	9.15	3.46	13.07	10.42	0.00	0.00	34.65	14.91
WEIGHT - MEAN(gm)	0.00	59.00	78.75	97.50	111.93	124.33	113.47	116.37	0.00	0.00	84.00	104.25
- STD. DEV.	0.00	0.00	19.20	16.50	18.38	2.89	27.28	28.03	0.00	0.00	49.50	26.70

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	9	74	17	0	0	0
% AT STAGE	0.00	0.00	0.00	9.00	74.00	17.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	6	49	0	55
%	10.91	89.09	0.00	100.00
% SAMPLE WEIGHT	1.39	25.53	0.00	26.92

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	45	55	0	100
%	45.00	55.00	0.00	100.00
MEAN WEIGHT	102.07	106.04	0.00	104.25
% SAMP. WT.	44.06	55.94	0.00	100.00

Table 13. Test fishing sample summaries by section.

SECTION: 2 - PORT LOUIS
SAMPLE NUMBERS: 122,144,133,135,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 18/2002 - MAR 25/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	146	56	27	79	39	16	8	6	1	21	399
% AT AGE	0.00	38.62	14.81	7.14	20.90	10.32	4.23	2.12	1.59	0.26	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.31	189.05	206.56	222.61	231.41	230.25	229.87	223.50	224.00	190.33	195.84
- STD. DEV.	0.00	6.76	12.66	13.63	10.05	13.45	11.83	17.03	8.96	0.00	26.78	28.67
WEIGHT - MEAN(gm)	0.00	67.20	99.29	135.15	175.82	203.10	204.75	197.50	188.17	211.00	111.05	123.71
- STD. DEV.	0.00	8.50	19.92	27.94	29.27	32.81	27.19	47.18	35.15	0.00	55.29	59.36

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	36	284	79	0	0	0
% AT STAGE	0.00	0.00	0.00	9.02	71.18	19.80	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	184	0	208
%	11.54	88.46	0.00	100.00
% SAMPLE WEIGHT	1.69	27.11	0.00	28.80

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	191	208	0	399
%	47.87	52.13	0.00	100.00
MEAN WEIGHT	113.51	133.07	0.00	123.71
% SAMP. WT.	43.92	56.08	0.00	100.00

Table 13 (cont'd)

SECTION: 3 - RENNELL SOUND
SAMPLE NUMBERS: 128,127,138,136,129,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2002 - MAR 27/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	188	134	12	68	41	25	12	4	0	16	500
% AT AGE	0.00	38.84	27.69	2.48	14.05	8.47	5.17	2.48	0.83	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.21	192.35	194.83	219.84	227.32	228.92	230.25	227.25	0.00	187.12	191.66
- STD. DEV.	0.00	7.20	10.36	15.33	11.60	10.19	11.10	11.38	10.34	0.00	28.04	26.56
WEIGHT - MEAN(gm)	0.00	61.85	109.17	114.42	179.38	201.76	204.96	199.50	206.25	0.00	109.94	116.40
- STD. DEV.	0.00	10.30	20.02	30.50	30.64	22.78	32.25	37.33	37.17	0.00	63.09	58.68

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	19	347	132	1	0	0
% AT STAGE	0.00	0.20	0.00	3.80	69.40	26.40	0.20	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	10	219	0	229
%	4.37	95.63	0.00	100.00
% SAMPLE WEIGHT	0.44	28.33	0.00	28.77

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	270	229	1	500
%	54.00	45.80	0.20	100.00
MEAN WEIGHT	102.66	132.86	58.00	116.40
% SAMP. WT.	47.63	52.27	0.10	100.00

Table 13 (cont'd)

SECTION: 4 - CARTWRIGHT SOUND
SAMPLE NUMBERS: 137,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	88	6	1	0	0	0	0	0	0	5	100
% AT AGE	0.00	92.63	6.32	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.36	164.00	171.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00	157.15
- STD. DEV.	0.00	8.03	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.73	8.61
WEIGHT - MEAN(gm)	0.00	53.30	61.50	77.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	54.09
- STD. DEV.	0.00	10.94	20.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.83	12.38

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	22	4	32	31	7	0	0	0
% AT STAGE	4.00	22.00	4.00	32.00	31.00	7.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	16	11	0	27
%	59.26	40.74	0.00	100.00
% SAMPLE WEIGHT	5.74	12.04	0.00	17.78

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	27	19	100
%	54.00	27.00	19.00	100.00
MEAN WEIGHT	53.59	60.00	47.11	54.09
% SAMP. WT.	53.50	29.95	16.55	100.00

Table 13 (cont'd)

SECTION: 5 - ENGLEFIELD BAY
SAMPLE NUMBERS: 131,132,130,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 21/2002 - MAR 30/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	26	84	13	90	24	32	10	6	2	13	300
% AT AGE	0.00	9.06	29.27	4.53	31.36	8.36	11.15	3.48	2.09	0.70	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.81	192.15	193.08	216.37	220.04	227.34	230.60	229.67	214.00	191.31	205.47
- STD. DEV.	0.00	8.74	11.26	19.68	9.90	10.42	9.94	11.60	5.72	38.18	24.55	21.55
WEIGHT - MEAN(gm)	0.00	67.42	109.33	113.85	167.33	177.92	202.12	212.90	218.67	202.50	109.00	144.93
- STD. DEV.	0.00	9.53	22.24	38.69	28.09	28.65	32.57	40.06	21.55	95.46	44.42	51.28

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	215	82	1	0	0
% AT STAGE	0.00	0.00	0.00	0.67	71.67	27.33	0.33	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	153	0	153
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	29.31	0.00	29.31

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	147	153	0	300
%	49.00	51.00	0.00	100.00
MEAN WEIGHT	133.88	155.54	0.00	144.93
% SAMP. WT.	45.27	54.73	0.00	100.00

Table 13 (cont'd)

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 266,124,125,163,181,155,152,177,134,158,
149,242,148,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	326	306	285	135	27	135	11	2	1	72	1300
% AT AGE	0.00	26.55	24.92	23.21	10.99	2.20	10.99	0.90	0.16	0.08	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.48	172.99	188.79	198.65	203.81	209.07	212.64	215.50	217.00	181.17	180.76
- STD. DEV.	0.00	7.45	10.11	10.05	9.63	10.43	8.25	6.61	20.51	0.00	20.54	19.86
WEIGHT - MEAN(gm)	0.00	54.41	73.27	98.69	116.53	126.41	138.36	145.09	155.00	141.00	88.75	88.11
- STD. DEV.	0.00	8.92	13.92	17.72	18.75	21.09	19.82	9.98	42.43	0.00	33.84	32.54

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	3	3	120	905	262	7	0	0
% AT STAGE	0.00	0.23	0.23	9.23	69.62	20.15	0.54	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	64	534	2	600
%	10.67	89.00	0.33	100.00
% SAMPLE WEIGHT	1.54	24.77	0.00	26.31

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	698	600	2	1300
%	53.69	46.15	0.15	100.00
MEAN WEIGHT	82.71	94.56	39.50	88.11
% SAMP. WT.	50.40	49.53	0.07	100.00

Table 13 (cont'd)

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 150,123,176,153,151,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/2002 - MAR 12/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	249	93	59	23	7	29	6	2	0	32	500
% AT AGE	0.00	53.21	19.87	12.61	4.91	1.50	6.20	1.28	0.43	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.33	177.03	189.93	192.74	212.00	205.83	214.17	211.00	0.00	177.00	173.70
- STD. DEV.	0.00	8.75	12.56	13.86	15.61	9.35	12.99	10.15	4.24	0.00	22.49	19.72
WEIGHT - MEAN(gm)	0.00	52.28	77.12	96.58	108.61	132.57	132.28	150.67	135.00	0.00	80.69	73.81
- STD. DEV.	0.00	11.80	23.01	23.41	24.87	25.86	28.87	24.75	1.41	0.00	37.31	33.04

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	2	6	45	323	93	28	2	0
% AT STAGE	0.20	0.40	1.20	9.00	64.60	18.60	5.60	0.40	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	11	216	6	233
%	4.72	92.70	2.58	100.00
% SAMPLE WEIGHT	0.60	22.90	0.00	23.50

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	262	233	5	500
%	52.40	46.60	1.00	100.00
MEAN WEIGHT	70.11	78.93	29.20	73.81
% SAMP. WT.	49.77	49.83	0.40	100.00

Table 13 (cont'd)

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 335,348,351,352,209,346,353,201,232,345,
341,330,217,207,231,355,212,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/2002 - MAR 28/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	319	765	266	61	105	48	36	5	81	1700
% AT AGE	0.00	0.86	19.70	47.25	16.43	3.77	6.49	2.96	2.22	0.31	0.00	100.00
LENGTH - MEAN(mm)	0.00	148.64	167.33	180.15	191.67	202.43	205.39	209.83	213.83	210.60	181.78	183.36
- STD. DEV.	0.00	7.60	8.50	9.86	11.87	11.96	11.91	13.16	13.11	17.77	18.22	16.63
WEIGHT - MEAN(gm)	0.00	41.14	60.99	78.53	97.90	116.79	122.84	134.87	138.25	146.40	84.06	85.39
- STD. DEV.	0.00	10.08	11.96	15.87	22.95	26.98	28.02	29.70	28.84	35.63	29.34	28.58

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	11	3	236	930	373	144	0	0
% AT STAGE	0.18	0.65	0.18	13.88	54.71	21.94	8.47	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	130	625	67	822
%	15.82	76.03	8.15	100.00
% SAMPLE WEIGHT	2.73	21.34	0.00	24.08

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	864	822	14	1700
%	50.82	48.35	0.82	100.00
MEAN WEIGHT	83.56	87.96	47.29	85.39
% SAMP. WT.	49.73	49.81	0.46	100.00

Table 13 (cont'd)

SECTION: 43 - AREA 4 SOUTH
SAMPLE NUMBERS: 349,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: APR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	14	37	18	2	10	3	4	0	8	100
% AT AGE	0.00	4.35	15.22	40.22	19.57	2.17	10.87	3.26	4.35	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.75	164.43	179.11	191.33	205.50	200.90	213.67	217.25	0.00	164.87	182.33
- STD. DEV.	0.00	4.57	8.98	11.11	11.75	7.78	13.20	7.09	11.30	0.00	18.83	19.36
WEIGHT - MEAN(gm)	0.00	47.25	61.14	79.59	99.11	117.00	115.20	159.00	147.25	0.00	60.13	87.07
- STD. DEV.	0.00	6.18	13.97	16.74	20.41	9.90	31.11	31.80	34.01	0.00	18.96	32.19

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	67	31	1	0	0
% AT STAGE	0.00	0.00	0.00	1.00	67.00	31.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	57	0	58
%	1.72	98.28	0.00	100.00
% SAMPLE WEIGHT	0.17	25.49	0.00	25.66

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	42	58	0	100
%	42.00	58.00	0.00	100.00
MEAN WEIGHT	82.98	90.03	0.00	87.07
% SAMP. WT.	40.03	59.97	0.00	100.00

Table 13 (cont'd)

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 253,246,354,222,208,244,255,248,334,249,
342,331,203,340,254,247,243,339,329,337,
252,347,216,245,250,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2002 - APR 7/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	170	465	775	455	98	272	87	36	7	135	2500
% AT AGE	0.00	7.19	19.66	32.77	19.24	4.14	11.50	3.68	1.52	0.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.84	170.62	183.10	193.66	202.47	205.97	207.13	213.47	218.86	184.26	185.33
- STD. DEV.	0.00	9.93	9.72	9.79	9.83	8.91	9.63	7.64	9.15	9.84	17.65	17.89
WEIGHT - MEAN(gm)	0.00	47.75	68.10	86.55	104.30	118.37	127.12	132.25	145.31	152.86	92.16	92.30
- STD. DEV.	0.00	10.93	13.48	15.84	19.04	17.94	22.59	19.22	26.92	17.19	28.68	29.44

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	6	89	1653	570	139	36	0
% AT STAGE	0.08	0.20	0.24	3.56	66.12	22.80	5.56	1.44	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	45	1065	72	1182
%	3.81	90.10	6.09	100.00
% SAMPLE WEIGHT	0.66	25.20	0.00	25.87

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1307	1182	11	2500
%	52.28	47.28	0.44	100.00
MEAN WEIGHT	86.65	98.98	45.27	92.30
% SAMP. WT.	49.08	50.70	0.22	100.00

Table 13 (cont'd)

SECTION: 53 - PRINCIPIE CHANNEL
SAMPLE NUMBERS: 234,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: APR 2/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	49	27	7	0	4	1	0	0	6	100
% AT AGE	0.00	6.38	52.13	28.72	7.45	0.00	4.26	1.06	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	163.71	178.30	180.29	0.00	177.50	192.00	0.00	0.00	172.67	169.75
- STD. DEV.	0.00	9.61	10.97	10.36	12.09	0.00	18.43	0.00	0.00	0.00	14.75	13.63
WEIGHT - MEAN(gm)	0.00	53.00	60.67	81.26	92.57	0.00	83.75	100.00	0.00	0.00	65.50	69.61
- STD. DEV.	0.00	10.64	13.48	15.12	29.48	0.00	31.77	0.00	0.00	0.00	17.75	20.05

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	92	6	0	0	0
% AT STAGE	0.00	0.00	0.00	2.00	92.00	6.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	55	0	57
%	3.51	96.49	0.00	100.00
% SAMPLE WEIGHT	0.43	24.63	0.00	25.07

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	43	57	0	100
%	43.00	57.00	0.00	100.00
MEAN WEIGHT	65.02	73.07	0.00	69.61
% SAMP. WT.	40.17	59.83	0.00	100.00

Table 13 (cont'd)

SECTION: 67 - KITASU BAY
SAMPLE NUMBERS: 240,140,121,239,228,257,111,107,214,227,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2002 - MAR 29/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	262	96	209	59	210	80	10	2	56	1000
% AT AGE	0.00	1.69	27.75	10.17	22.14	6.25	22.25	8.47	1.06	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	172.69	184.36	191.57	197.20	200.20	200.62	207.00	192.00	187.21	188.15
- STD. DEV.	0.00	6.91	10.65	10.70	10.32	10.43	10.30	11.11	13.30	25.46	17.26	15.95
WEIGHT - MEAN(gm)	0.00	49.38	71.17	90.21	101.25	112.27	117.31	122.00	126.70	113.00	97.18	97.21
- STD. DEV.	0.00	7.62	16.30	18.98	18.54	20.72	22.71	27.50	33.01	26.87	27.58	28.29

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	3	162	647	183	1	0	0
% AT STAGE	0.00	0.40	0.30	16.20	64.70	18.30	0.10	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	96	354	1	451
%	21.29	78.49	0.22	100.00
% SAMPLE WEIGHT	4.25	21.79	0.00	26.04

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	548	451	1	1000
%	54.80	45.10	0.10	100.00
MEAN WEIGHT	91.90	103.78	45.00	97.21
% SAMP. WT.	51.80	48.15	0.05	100.00

Table 13 (cont'd)

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 236,237, 97,230,172,103, 96,235,218,199,
229,261, 94,105,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/2002 - MAR 26/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	89	559	139	163	72	202	90	21	1	64	1400
% AT AGE	0.00	6.66	41.84	10.40	12.20	5.39	15.12	6.74	1.57	0.07	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.82	166.25	178.58	194.26	199.85	205.10	208.44	209.48	225.00	184.69	181.59
- STD. DEV.	0.00	9.74	11.46	11.97	11.13	11.88	12.56	10.42	13.85	0.00	23.18	21.60
WEIGHT - MEAN(gm)	0.00	48.94	64.07	83.18	113.20	124.57	137.12	148.29	146.05	149.00	99.98	92.72
- STD. DEV.	0.00	12.86	14.84	20.31	23.31	25.41	29.34	29.43	31.88	0.00	41.83	39.97

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	6	37	0	162	927	267	1	0	0
% AT STAGE	0.43	2.64	0.00	11.57	66.21	19.07	0.07	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	122	566	1	689
%	17.71	82.15	0.15	100.00
% SAMPLE WEIGHT	3.23	24.00	0.00	27.23

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	673	689	38	1400
%	48.07	49.21	2.71	100.00
MEAN WEIGHT	87.37	100.93	38.71	92.72
% SAMP. WT.	45.30	53.57	1.13	100.00

Table 13 (cont'd)

SECTION: 74 - THOMPSON BAY
SAMPLE NUMBERS: 142,169,185,223,193,114,112, 92,108,110,
115,238,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2002 - MAR 22/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	116	541	99	132	54	112	62	16	2	66	1200
% AT AGE	0.00	10.23	47.71	8.73	11.64	4.76	9.88	5.47	1.41	0.18	0.00	100.00
LENGTH - MEAN(mm)	0.00	155.10	165.70	179.49	194.32	199.37	207.43	210.97	210.31	226.00	180.29	178.21
- STD. DEV.	0.00	12.22	13.45	14.27	13.11	11.77	13.02	12.33	9.40	33.94	26.50	22.92
WEIGHT - MEAN(gm)	0.00	52.00	64.58	86.17	114.58	125.54	146.05	149.98	153.50	175.00	92.95	88.33
- STD. DEV.	0.00	17.67	19.80	22.03	26.94	27.73	29.15	29.56	20.72	98.99	47.99	41.47

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	11	26	1	240	803	116	3	0	0
% AT STAGE	0.92	2.17	0.08	20.00	66.92	9.67	0.25	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	182	423	1	606
%	30.03	69.80	0.17	100.00
% SAMPLE WEIGHT	5.02	20.57	0.00	25.59

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	561	606	33	1200
%	46.75	50.50	2.75	100.00
MEAN WEIGHT	81.00	97.76	39.94	88.33
% SAMP. WT.	42.87	55.89	1.24	100.00

Table 13 (cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 126,179,113,102,186,106,109,117,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2002 - MAR 28/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	134	78	173	37	228	88	11	0	42	800
% AT AGE	0.00	1.19	17.68	10.29	22.82	4.88	30.08	11.61	1.45	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.33	172.91	185.74	195.97	198.89	201.57	203.73	208.55	0.00	188.36	193.06
- STD. DEV.	0.00	9.43	9.37	9.61	8.24	9.41	10.19	8.78	6.98	0.00	19.41	15.11
WEIGHT - MEAN(gm)	0.00	61.00	72.54	91.83	108.48	114.30	122.07	125.73	130.09	0.00	99.12	106.15
- STD. DEV.	0.00	14.09	13.54	16.40	17.51	20.97	22.53	20.90	24.35	0.00	32.34	27.55

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	100	548	151	1	0	0
% AT STAGE	0.00	0.00	0.00	12.50	68.50	18.88	0.13	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	84	314	0	398
%	21.11	78.89	0.00	100.00
% SAMPLE WEIGHT	4.55	20.90	0.00	25.46

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	402	398	0	800
%	50.25	49.75	0.00	100.00
MEAN WEIGHT	100.09	112.26	0.00	106.15
% SAMP. WT.	47.38	52.62	0.00	100.00

Table 13 (cont'd)

SECTION: 78 - DON PENINSULA
SAMPLE NUMBERS: 195,139,104,116, 93,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 20/2002 - MAR 26/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	87	205	43	43	19	48	17	3	1	34	500
% AT AGE	0.00	18.67	43.99	9.23	9.23	4.08	10.30	3.65	0.64	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.64	163.67	177.86	192.28	195.05	207.19	215.82	208.67	207.00	170.06	172.50
- STD. DEV.	0.00	10.72	12.93	12.45	12.06	15.11	11.08	7.99	7.64	0.00	36.19	24.65
WEIGHT - MEAN(gm)	0.00	39.52	59.20	80.28	105.65	111.74	136.42	158.47	146.67	151.00	79.82	76.48
- STD. DEV.	0.00	11.28	16.43	19.83	21.07	26.48	29.44	22.18	13.58	0.00	50.88	39.95

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	5	67	1	64	308	55	0	0	0
% AT STAGE	1.00	13.40	0.20	12.80	61.60	11.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	170	0	194
%	12.37	87.63	0.00	100.00
% SAMPLE WEIGHT	1.47	25.14	0.00	26.61

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	234	194	72	500
%	46.80	38.80	14.40	100.00
MEAN WEIGHT	75.36	93.47	34.33	76.48
% SAMP. WT.	46.11	47.42	6.46	100.00

Table 13 (cont'd)

SECTION: 85 - KWAKSHUA CHANNEL
SAMPLE NUMBERS: 224,118,220,166,259,101,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2002 - MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	25	250	49	112	34	46	42	2	2	38	600
% AT AGE	0.00	4.45	44.48	8.72	19.93	6.05	8.19	7.47	0.36	0.36	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.80	164.55	175.88	183.83	189.56	192.37	195.12	190.50	183.50	180.92	175.34
- STD. DEV.	0.00	12.63	13.42	17.78	11.06	13.50	12.50	16.04	27.58	12.02	21.89	18.80
WEIGHT - MEAN(gm)	0.00	43.08	62.16	79.24	90.95	101.18	107.76	109.79	100.00	78.00	91.82	79.23
- STD. DEV.	0.00	16.35	17.93	24.49	19.19	27.27	26.00	30.23	59.40	18.38	36.26	29.52

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	10	12	11	185	327	54	1	0	0
% AT STAGE	1.67	2.00	1.83	30.83	54.50	9.00	0.17	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	127	140	0	267
%	47.57	52.43	0.00	100.00
% SAMPLE WEIGHT	9.26	15.84	0.00	25.10

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	315	267	18	600
%	52.50	44.50	3.00	100.00
MEAN WEIGHT	77.33	84.66	31.94	79.23
% SAMP. WT.	51.24	47.55	1.21	100.00

Table 13 (cont'd)

SECTION: 92 - RIVERS INLET MOUTH
SAMPLE NUMBERS: 143,119,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2002 - MAR 13/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	90	11	38	14	14	18	2	0	8	200
% AT AGE	0.00	2.60	46.88	5.73	19.79	7.29	7.29	9.38	1.04	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.80	169.62	175.27	182.87	182.43	183.29	185.00	181.00	0.00	175.87	175.43
- STD. DEV.	0.00	19.20	12.09	7.42	11.65	10.83	13.19	12.61	5.66	0.00	15.92	14.43
WEIGHT - MEAN(gm)	0.00	36.60	63.96	73.18	84.89	84.79	86.36	86.56	70.00	0.00	72.50	73.22
- STD. DEV.	0.00	13.09	17.17	10.94	21.33	21.86	30.37	24.60	8.49	0.00	23.27	22.91

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	1	67	114	11	0	0	0
% AT STAGE	1.00	2.50	0.50	33.50	57.00	5.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	39	42	0	81
%	48.15	51.85	0.00	100.00
% SAMPLE WEIGHT	7.46	13.73	0.00	21.19

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	115	81	4	200
%	57.50	40.50	2.00	100.00
MEAN WEIGHT	71.23	77.77	38.25	73.22
% SAMP. WT.	55.94	43.01	1.04	100.00

Table 13 (cont'd)

SECTION: 93 - RIVERS INLET HEAD
SAMPLE NUMBERS: 98,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	61	4	3	5	4	4	1	0	10	100
% AT AGE	0.00	8.89	67.78	4.44	3.33	5.56	4.44	4.44	1.11	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	124.12	143.33	147.25	166.67	165.60	173.00	165.00	176.00	0.00	138.00	145.61
- STD. DEV.	0.00	15.53	12.74	11.93	7.02	10.31	14.65	11.46	0.00	0.00	13.19	16.92
WEIGHT - MEAN(gm)	0.00	23.88	37.70	41.50	54.67	61.80	77.25	59.25	75.00	0.00	33.30	40.84
- STD. DEV.	0.00	11.42	15.38	10.54	4.51	9.91	20.50	12.45	0.00	0.00	9.44	18.11

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	13	76	11	0	0	0
% AT STAGE	0.00	0.00	0.00	13.00	76.00	11.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	7	33	0	40
%	17.50	82.50	0.00	100.00
% SAMPLE WEIGHT	2.52	18.79	0.00	21.31

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	60	40	0	100
%	60.00	40.00	0.00	100.00
MEAN WEIGHT	38.27	44.70	0.00	40.84
% SAMP. WT.	56.22	43.78	0.00	100.00

Table 13 (cont'd)

SECTION: 103 - SMITH INLET
SAMPLE NUMBERS: 188,120,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2002 - MAR 12/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	51	12	20	35	25	26	8	2	15	200
% AT AGE	0.00	3.24	27.57	6.49	10.81	18.92	13.51	14.05	4.32	1.08	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.50	164.12	172.17	178.70	176.40	180.84	179.85	183.75	168.50	171.47	173.20
- STD. DEV.	0.00	17.11	13.10	15.21	14.84	10.39	13.05	11.04	15.02	17.68	15.27	15.17
WEIGHT - MEAN(gm)	0.00	41.00	63.29	75.92	85.50	82.46	88.24	86.19	98.88	93.50	76.67	77.78
- STD. DEV.	0.00	14.25	15.97	18.35	25.15	17.99	21.07	16.07	27.62	26.16	20.73	22.32

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	0	0	81	99	18	0	0	0
% AT STAGE	1.00	0.00	0.00	40.50	49.50	9.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	42	52	0	94
%	44.68	55.32	0.00	100.00
% SAMPLE WEIGHT	9.93	12.97	0.00	22.90

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	104	94	2	200
%	52.00	47.00	1.00	100.00
MEAN WEIGHT	77.52	79.17	26.00	77.78
% SAMP. WT.	51.83	47.84	0.33	100.00

Table 13 (cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 48, 21, 3,225,161, 51,226,178, 16, 44,
219,213, 4,156,183,194, 50,187,180, 2,
56, 13,182,175, 17, 45, 53, 30, 39, 19,
18, 31, 7, 1, 10,221,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	269	1749	866	364	67	57	12	0	0	216	3600
% AT AGE	0.00	7.95	51.68	25.59	10.76	1.98	1.68	0.35	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.54	177.22	186.61	192.04	199.78	202.91	204.33	0.00	0.00	177.42	180.06
- STD. DEV.	0.00	12.57	12.83	10.47	11.65	12.30	11.42	16.91	0.00	0.00	19.38	16.23
WEIGHT - MEAN(gm)	0.00	48.09	77.56	95.05	106.66	122.85	130.39	133.42	0.00	0.00	81.56	84.62
- STD. DEV.	0.00	14.13	18.25	18.53	21.48	25.76	20.99	32.71	0.00	0.00	29.92	25.49

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	17	160	16	710	2276	403	13	5	0
% AT STAGE	0.47	4.44	0.44	19.72	63.22	11.19	0.36	0.14	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	356	1319	7	1682
%	21.17	78.42	0.42	100.00
% SAMPLE WEIGHT	3.29	22.83	0.01	26.13

SEX RATIO:				
	MALE	FFMALE	IMMATURE	TOTAL
NO.	1767	1682	151	3600
%	49.08	46.72	4.19	100.00
MEAN WEIGHT	82.11	91.20	40.63	84.62
% SAMP. WT.	47.63	50.36	2.01	100.00

Table 13 (cont'd)

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 33,210,215, 8, 54, 6,184, 55, 99,211,
26, 24, 23,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2002 - MAR 17/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	90	631	287	135	37	33	5	4	0	78	1300
% AT AGE	0.00	7.36	51.64	23.49	11.05	3.03	2.70	0.41	0.33	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.91	178.94	187.97	195.50	205.92	203.76	220.00	215.25	0.00	180.53	182.89
- STD. DEV.	0.00	13.58	10.74	10.14	11.10	10.37	10.48	10.34	11.00	0.00	17.53	15.49
WEIGHT - MEAN(gm)	0.00	51.08	78.68	95.22	109.48	138.57	133.76	148.00	167.75	0.00	84.90	87.64
- STD. DEV.	0.00	14.05	16.73	18.52	19.52	23.41	23.46	17.61	34.68	0.00	29.36	26.53

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	5	18	2	355	807	99	10	4	0
% AT STAGE	0.38	1.38	0.15	27.31	62.08	7.62	0.77	0.31	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	174	435	6	615
%	28.29	70.73	0.98	100.00
% SAMPLE WEIGHT	5.56	19.49	0.00	25.05

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	662	615	23	1300
%	50.92	47.31	1.77	100.00
MEAN WEIGHT	83.32	93.78	47.61	87.64
% SAMP. WT.	48.42	50.62	0.96	100.00

Table 13 (cont'd)

SECTION: 152 - POWELL RIVER
SAMPLE NUMBERS: 9,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	54	25	9	0	0	0	0	0	0	0	12	100
% AT AGE	61.36	28.41	10.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	104.19	135.72	137.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.67	116.95
- STD. DEV.	5.77	12.50	16.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.20	18.22
WEIGHT - MEAN(gm)	13.80	34.16	34.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.17	21.76
- STD. DEV.	2.54	9.01	13.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	11.71

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	79	10	0	6	5	0	0	0	0
% AT STAGE	79.00	10.00	0.00	6.00	5.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	0	0	4
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	16.22	0.00	0.00	16.22

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	7	4	89	100
%	7.00	4.00	89.00	100.00
MEAN WEIGHT	36.71	46.25	19.48	21.76
% SAMP. WT.	11.81	8.50	79.69	100.00

Table 13 (cont'd)

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 100, 22, 95, 15, 36, 34,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2002 - MAR 17/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	65	301	118	45	7	9	2	1	0	51	600
% AT AGE	0.18	11.84	54.83	21.49	8.20	1.28	1.64	0.36	0.18	0.00	0.00	100.00
LENGTH - MEAN(mm)	109.00	153.91	175.71	184.14	193.20	197.43	192.44	214.00	222.00	0.00	160.78	175.65
- STD. DEV.	0.00	16.34	15.71	16.08	15.03	13.69	25.20	1.41	0.00	0.00	23.32	20.21
WEIGHT - MEAN(gm)	15.00	49.94	75.24	90.56	104.71	121.86	113.33	153.50	172.00	0.00	62.25	78.06
- STD. DEV.	0.00	16.95	19.15	24.13	21.66	26.62	39.68	2.12	0.00	0.00	29.53	27.21

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	6	30	3	161	253	147	0	0	0
% AT STAGE	1.00	5.00	0.50	26.83	42.17	24.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	105	183	0	288
%	36.46	63.54	0.00	100.00
% SAMPLE WEIGHT	6.66	16.04	0.00	22.70

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	280	288	32	600
%	46.67	48.00	5.33	100.00
MEAN WEIGHT	76.65	83.86	38.13	78.06
% SAMP. WT.	45.82	51.57	2.60	100.00

Table 13 (cont'd)

SECTION: 191 - SAANICH INLET
SAMPLE NUMBERS: 32, 35,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/2002 - MAR 16/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	17	101	45	7	3	2	0	0	0	25	200
% AT AGE	0.00	9.71	57.71	25.71	4.00	1.71	1.14	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.06	179.76	190.36	186.29	197.00	219.00	0.00	0.00	0.00	179.16	181.79
- STD. DEV.	0.00	6.77	10.93	8.64	14.49	9.64	5.66	0.00	0.00	0.00	16.93	13.46
WEIGHT - MEAN(gm)	0.00	59.18	79.14	94.53	87.29	118.33	156.00	0.00	0.00	0.00	79.64	82.61
- STD. DEV.	0.00	7.27	16.31	14.89	18.74	13.20	21.21	0.00	0.00	0.00	21.56	20.45

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	1	111	77	7	0	0	0
% AT STAGE	0.00	2.00	0.50	55.50	38.50	3.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	65	36	0	101
%	64.36	35.64	0.00	100.00
% SAMPLE WEIGHT	11.49	10.93	0.00	22.42

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	95	101	4	200
%	47.50	50.50	2.00	100.00
MEAN WEIGHT	80.49	85.31	64.75	82.61
% SAMP. WT.	46.28	52.15	1.57	100.00

Table 13 (cont'd)

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 65, 63, 60, 49, 58, 66, 61, 52, 43, 47, 59, 67, 62, 42, 57, 64, 68, 41, 46, 38, 37,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2002 - MAR 23/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	146	1103	456	99	57	40	20	4	1	174	2100
% AT AGE	0.00	7.58	57.27	23.68	5.14	2.96	2.08	1.04	0.21	0.05	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.81	180.34	188.77	198.12	209.40	215.37	220.35	226.25	244.00	183.02	184.24
- STD. DEV.	0.00	9.10	9.60	10.98	10.82	11.01	10.11	7.39	8.50	0.00	15.96	14.43
WEIGHT - MEAN(gm)	0.00	64.92	82.83	98.03	114.45	141.12	150.48	160.65	175.75	218.00	89.02	90.74
- STD. DEV.	0.00	13.09	14.82	19.96	22.14	25.38	25.14	26.69	7.63	0.00	27.46	25.63

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	7	14	325	1440	256	44	12	0
% AT STAGE	0.10	0.33	0.67	15.48	68.57	12.19	2.10	0.57	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	202	809	7	1018
%	19.84	79.47	0.69	100.00
% SAMPLE WEIGHT	3.35	22.09	0.00	25.43

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1077	1018	5	2100
%	51.29	48.48	0.24	100.00
MEAN WEIGHT	85.27	96.69	58.80	90.74
% SAMP. WT.	48.19	51.65	0.15	100.00

Table 13 (cont'd)

SECTION: 233 - IMPERIAL EAGLE CH.
SAMPLE NUMBERS: 40,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	17	55	14	2	1	1	0	0	0	10	100
% AT AGE	0.00	18.89	61.11	15.56	2.22	1.11	1.11	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.06	177.87	184.79	196.50	223.00	207.00	0.00	0.00	0.00	176.40	178.14
- STD. DEV.	0.00	6.84	9.24	7.83	10.61	0.00	0.00	0.00	0.00	0.00	11.11	11.58
WEIGHT - MEAN(gm)	0.00	67.76	82.60	93.93	122.00	176.00	127.00	0.00	0.00	0.00	78.90	83.46
- STD. DEV.	0.00	9.55	15.88	16.14	15.56	0.00	0.00	0.00	0.00	0.00	18.61	20.40

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	5	71	23	0	0	0
% AT STAGE	0.00	1.00	0.00	5.00	71.00	23.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	50	0	52
%	3.85	96.15	0.00	100.00
% SAMPLE WEIGHT	0.65	23.91	0.00	24.56

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	48	52	0	100
%	48.00	52.00	0.00	100.00
MEAN WEIGHT	77.94	88.56	0.00	83.46
% SAMP. WT.	44.82	55.18	0.00	100.00

Table 13 (cont'd)

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 202,190,191,198,200,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 27/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	76	215	99	22	9	9	25	1	0	44	500
% AT AGE	0.00	16.67	47.15	21.71	4.82	1.97	1.97	5.48	0.22	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.03	176.32	185.21	198.95	208.00	217.33	223.12	238.00	0.00	180.61	180.60
- STD. DEV.	0.00	9.76	10.35	12.14	10.54	15.87	7.70	7.69	0.00	0.00	23.52	19.55
WEIGHT - MEAN(gm)	0.00	58.12	79.57	95.71	124.05	141.67	155.00	180.32	196.00	0.00	91.43	90.25
- STD. DEV.	0.00	11.97	15.69	20.79	27.14	31.17	20.24	20.27	0.00	0.00	45.62	35.77

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	2	52	340	102	3	0	0
% AT STAGE	0.00	0.20	0.40	10.40	68.00	20.40	0.60	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	18	208	1	227
%	7.93	91.63	0.44	100.00
% SAMPLE WEIGHT	1.07	26.04	0.00	27.11

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	272	227	1	500
%	54.40	45.40	0.20	100.00
MEAN WEIGHT	83.20	98.93	39.00	90.25
% SAMP. WT.	50.15	49.76	0.09	100.00

Table 13 (cont'd)

SECTION: 245 - VARGAS ISLAND
SAMPLE NUMBERS: 260,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	39	19	4	0	0	0	0	0	0	0	38	100
% AT AGE	62.90	30.65	6.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	120.10	136.42	148.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.26	124.77
- STD. DEV.	8.76	12.92	15.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.19	12.67
WEIGHT - MEAN(gm)	21.00	33.89	51.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.66	24.90
- STD. DEV.	5.02	9.73	17.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.38	10.03

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	90	0	4	2	4	0	0	0	0
% AT STAGE	90.00	0.00	4.00	2.00	4.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	1	0	5
%	80.00	20.00	0.00	100.00
% SAMPLE WEIGHT	0.00	8.82	0.00	8.82

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	5	5	90	100
%	5.00	5.00	90.00	100.00
MEAN WEIGHT	48.00	47.60	22.36	24.90
% SAMP. WT.	9.64	9.56	80.80	100.00

Table 13 (cont'd)

SECTION: 251 - OTHER AREA 25
SAMPLE NUMBERS: 205,141,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2002 - MAR 10/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	52	6	37	26	13	3	6	3	1	0	53	200
% AT AGE	35.37	4.08	25.17	17.69	8.84	2.04	4.08	2.04	0.68	0.00	0.00	100.00
LENGTH - MEAN(mm)	98.87	161.83	181.19	190.23	200.31	204.00	220.00	215.00	213.00	0.00	106.06	143.88
- STD. DEV.	5.55	29.57	11.53	12.95	7.76	2.65	10.26	7.00	0.00	0.00	28.71	47.90
WEIGHT - MEAN(gm)	10.23	61.17	89.32	107.58	122.23	140.67	173.50	171.33	180.00	0.00	18.45	58.63
- STD. DEV.	1.80	27.80	17.92	24.38	16.29	15.14	36.85	20.23	0.00	0.00	26.00	54.27

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	99	0	1	6	79	14	0	1	0
% AT STAGE	49.50	0.00	0.50	3.00	39.50	7.00	0.00	0.50	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	42	0	43
%	2.33	97.67	0.00	100.00
% SAMPLE WEIGHT	0.44	30.85	0.00	31.30

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	58	43	99	200
%	29.00	21.50	49.50	100.00
MEAN WEIGHT	92.16	125.51	9.93	58.63
% SAMP. WT.	45.59	46.03	8.38	100.00

Table 13 (cont'd)

SECTION: 252 - NOOTKA SOUND
SAMPLE NUMBERS: 167,269,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2002 - MAR 18/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	110	40	17	4	5	1	0	0	10	200
% AT AGE	0.00	6.84	57.89	21.05	8.95	2.11	2.63	0.53	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.92	178.51	189.37	203.12	207.00	218.00	225.00	0.00	0.00	180.10	183.63
- STD. DEV.	0.00	10.31	9.26	10.46	10.37	2.58	4.80	0.00	0.00	0.00	8.33	14.79
WEIGHT - MEAN(gm)	0.00	63.46	86.56	105.00	135.35	139.75	166.00	184.00	0.00	0.00	85.10	96.36
- STD. DEV.	0.00	10.38	14.85	19.79	23.55	28.28	13.27	0.00	0.00	0.00	15.15	27.35

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	4	144	52	0	0	0
% AT STAGE	0.00	0.00	0.00	2.00	72.00	26.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	89	0	89
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	27.40	0.00	27.40

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	111	89	0	200
%	55.50	44.50	0.00	100.00
MEAN WEIGHT	91.29	102.69	0.00	96.36
% SAMP. WT.	52.58	47.42	0.00	100.00

Table 13 (cont'd)

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 170,173,263,241,171,271,267,272,165,204,
197,258,264,270,192,146,206,159,168,147,
233,145,189,268,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2002 - MAR 22/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	91	1138	501	218	66	95	82	8	0	199	2398
% AT AGE	0.00	4.14	51.75	22.78	9.91	3.00	4.32	3.73	0.36	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.60	180.57	192.99	202.34	208.39	215.08	218.79	229.50	0.00	189.21	188.82
- STD. DEV.	0.00	14.97	9.86	10.85	10.08	9.29	11.88	10.85	4.21	0.00	18.89	16.75
WEIGHT - MEAN(gm)	0.00	64.24	85.62	109.47	129.16	146.67	155.91	169.49	207.37	0.00	104.83	103.08
- STD. DEV.	0.00	18.88	16.59	21.44	22.50	25.02	30.86	28.15	22.07	0.00	39.07	33.43

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	6	199	1833	353	6	0	0
% AT STAGE	0.00	0.04	0.25	8.30	76.44	14.72	0.25	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	108	1101	1	1210
%	8.93	90.99	0.08	100.00
% SAMPLE WEIGHT	1.64	26.95	0.00	28.58

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1188	1210	0	2398
%	49.54	50.46	0.00	100.00
MEAN WEIGHT	95.86	110.17	0.00	103.08
% SAMP. WT.	46.07	53.93	0.00	100.00

Table 13 (cont'd)

SECTION: 272 - BROOKS BAY
SAMPLE NUMBERS: 14, 20,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2002 - MAR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	114	34	19	1	0	2	0	0	10	200
% AT AGE	0.00	10.53	60.00	17.89	10.00	0.53	0.00	1.05	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	174.30	179.69	182.91	199.89	172.00	0.00	215.50	0.00	0.00	182.50	182.08
- STD. DEV.	0.00	8.69	11.52	11.80	14.32	0.00	0.00	6.36	0.00	0.00	19.17	13.88
WEIGHT - MEAN(gm)	0.00	81.10	90.47	97.26	126.16	93.00	0.00	145.50	0.00	0.00	93.80	94.81
- STD. DEV.	0.00	17.51	21.93	18.51	26.55	0.00	0.00	50.20	0.00	0.00	38.46	25.55

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	5	55	132	7	0	0	0
% AT STAGE	0.00	0.50	2.50	27.50	66.00	3.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	20	100	0	120
%	16.67	83.33	0.00	100.00
% SAMPLE WEIGHT	3.27	23.32	0.00	26.60

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	79	120	1	200
%	39.50	60.00	0.50	100.00
MEAN WEIGHT	85.92	100.80	78.00	94.81
% SAMP. WT.	35.80	63.79	0.41	100.00

Table 13 (cont'd)

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 12, 5, 11,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/2002 - MAR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	179	39	28	2	11	2	1	0	23	300
% AT AGE	0.00	5.42	64.62	14.08	10.11	0.72	3.97	0.72	0.36	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	178.00	181.87	186.49	195.32	194.00	194.00	208.00	209.00	0.00	184.00	184.48
- STD. DEV.	0.00	18.38	12.51	11.36	13.48	14.14	28.06	16.97	0.00	0.00	14.22	14.56
WEIGHT - MEAN(gm)	0.00	88.93	93.06	100.33	120.86	98.00	119.18	144.50	165.00	0.00	97.17	98.28
- STD. DEV.	0.00	34.01	20.96	21.98	27.10	22.63	47.78	60.10	0.00	0.00	25.41	26.37

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	0	25	241	32	0	0	0
% AT STAGE	0.00	0.67	0.00	8.33	80.33	10.67	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	155	0	167
%	7.19	92.81	0.00	100.00
% SAMPLE WEIGHT	1.39	25.12	0.00	26.51

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	131	167	2	300
%	43.67	55.67	0.67	100.00
MEAN WEIGHT	89.40	105.54	73.50	98.28
% SAMP. WT.	39.72	59.78	0.50	100.00

Table 14. Test fishing sample summaries by statistical area.

AREA: 2W - WEST COAST Q.C.I.
SAMPLE NUMBERS: 122,136,129,130,131,137,144,132,138,133,
135,128,127,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2002 - MAR 30/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	448	280	53	237	104	73	30	16	3	55	1299
% AT AGE	0.00	36.01	22.51	4.26	19.05	8.36	5.87	2.41	1.29	0.24	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.98	191.02	199.92	219.44	227.17	228.52	230.27	226.75	217.33	186.87	193.48
- STD. DEV.	0.00	8.25	11.82	16.99	10.75	12.25	10.68	12.69	8.17	27.61	26.61	27.82
WEIGHT - MEAN(gm)	0.00	62.24	106.22	124.13	173.62	196.76	203.67	203.43	204.12	205.33	105.11	120.44
- STD. DEV.	0.00	11.03	21.99	32.96	29.55	29.83	30.97	40.14	32.10	67.68	54.49	59.24

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	23	4	89	877	300	2	0	0
% AT STAGE	0.31	1.77	0.31	6.85	67.51	23.09	0.15	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	50	567	0	617
%	8.10	91.90	0.00	100.00
% SAMPLE WEIGHT	0.83	27.89	0.00	28.72

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	662	617	20	1299
%	50.96	47.50	1.54	100.00
MEAN WEIGHT	108.72	135.37	47.65	120.44
% SAMP. WT.	46.01	53.39	0.61	100.00

Table 14 (cont'd)

AREA: 2E - EAST COAST Q.C.I.
SAMPLE NUMBERS: 134,158,149,150,242,148,177,152,123,125,
163,151,181,155,176,153,266,124,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	575	399	344	158	34	164	17	4	1	104	1800
% AT AGE	0.00	33.90	23.53	20.28	9.32	2.00	9.67	1.00	0.24	0.06	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.29	173.93	188.98	197.79	205.50	208.49	213.18	213.25	217.00	179.88	178.80
- STD. DEV.	0.00	8.08	10.85	10.78	10.85	10.62	9.30	7.75	12.37	0.00	21.14	20.06
WEIGHT - MEAN(gm)	0.00	53.49	74.17	98.33	115.37	127.68	137.28	147.06	145.00	141.00	86.27	84.14
- STD. DEV.	0.00	10.31	16.54	18.80	19.86	21.87	21.71	16.17	27.09	0.00	34.96	33.30

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	5	9	165	1228	355	35	2	0
% AT STAGE	0.06	0.28	0.50	9.17	68.22	19.72	1.94	0.11	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	75	750	8	833
%	9.00	90.04	0.96	100.00
% SAMPLE WEIGHT	1.31	24.32	0.00	25.63

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	960	833	7	1800
%	53.33	46.28	0.39	100.00
MEAN WEIGHT	79.27	90.19	32.14	84.14
% SAMP. WT.	50.25	49.60	0.15	100.00

Table 14 (cont'd)

AREA: 4 - SKEENA
SAMPLE NUMBERS: 346,353,201,232,351,352,209,335,348,345,
341,349,330,217,231,355,212,207,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/2002 - APR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	333	802	284	63	115	51	40	5	89	1800
% AT AGE	0.00	1.05	19.46	46.87	16.60	3.68	6.72	2.98	2.34	0.29	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.56	167.20	180.10	191.64	202.52	205.00	210.06	214.18	210.60	180.26	183.30
- STD. DEV.	0.00	7.14	8.52	9.92	11.84	11.82	12.03	12.87	12.85	17.77	18.80	16.79
WEIGHT - MEAN(gm)	0.00	42.50	60.99	78.58	97.98	116.79	122.17	136.29	139.15	146.40	81.91	85.48
- STD. DEV.	0.00	9.56	12.02	15.90	22.76	26.57	28.24	30.04	29.03	35.63	29.30	28.78

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	11	3	237	997	404	145	0	0
% AT STAGE	0.17	0.61	0.17	13.17	55.39	22.44	8.06	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	131	682	67	880
%	14.89	77.50	7.61	100.00
% SAMPLE WEIGHT	2.56	21.62	0.00	24.18

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	906	880	14	1800
%	50.33	48.89	0.78	100.00
MEAN WEIGHT	83.53	88.10	47.29	85.48
% SAMP. WT.	49.18	50.39	0.43	100.00

Table 14 (cont'd)

AREA: 5 - GRENVILLE-PRINCIPE
SAMPLE NUMBERS: 334,249,342,331,234,244,255,248,253,246,
354,222,208,339,329,337,252,347,216,245,
250,340,254,247,243,203,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2002 - APR 7/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	176	514	802	462	98	276	88	36	7	141	2600
% AT AGE	0.00	7.16	20.90	32.61	18.79	3.99	11.22	3.58	1.46	0.28	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.96	169.96	182.94	193.46	202.47	205.56	206.95	213.47	218.86	183.77	184.73
- STD. DEV.	0.00	9.92	10.04	9.85	9.99	8.91	10.33	7.77	9.15	9.84	17.65	17.99
WEIGHT - MEAN(gm)	0.00	47.93	67.39	86.37	104.13	118.37	126.49	131.89	145.31	152.86	91.03	91.42
- STD. DEV.	0.00	10.94	13.64	15.84	19.25	17.94	23.26	19.42	26.92	17.19	28.77	29.45

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	6	91	1745	576	139	36	0
% AT STAGE	0.08	0.19	0.23	3.50	67.12	22.15	5.35	1.38	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	47	1120	72	1239
%	3.79	90.40	5.81	100.00
% SAMPLE WEIGHT	0.66	25.18	0.00	25.84

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1350	1239	11	2600
%	51.92	47.65	0.42	100.00
MEAN WEIGHT	85.96	97.79	45.27	91.42
% SAMP. WT.	48.82	50.97	0.21	100.00

Table 14 (cont'd)

AREA: 6 - BUTEDALE
SAMPLE NUMBERS: 107,214,227,257,111,239,228,240,140,121,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2002 - MAR 29/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	262	96	209	59	210	80	10	2	56	1000
% AT AGE	0.00	1.69	27.75	10.17	22.14	6.25	22.25	8.47	1.06	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	172.69	184.36	191.57	197.20	200.20	200.62	207.00	192.00	187.21	188.15
- STD. DEV.	0.00	6.91	10.65	10.70	10.32	10.43	10.30	11.11	13.30	25.46	17.26	15.96
WEIGHT - MEAN(gm)	0.00	49.38	71.17	90.21	101.25	112.27	117.31	122.00	126.70	113.00	97.18	97.21
- STD. DEV.	0.00	7.62	16.30	18.98	18.54	20.72	22.71	27.50	33.01	26.87	27.58	28.29

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	3	162	647	183	1	0	0
% AT STAGE	0.00	0.40	0.30	16.20	64.70	18.30	0.10	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	96	354	1	451
%	21.29	78.49	0.22	100.00
% SAMPLE WEIGHT	4.25	21.79	0.00	26.04

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	548	451	1	1000
%	54.80	45.10	0.10	100.00
MEAN WEIGHT	91.90	103.78	45.00	97.21
% SAMP. WT.	51.80	48.15	0.05	100.00

Table 14 (cont'd)

AREA: 7 - BELLA BELLA
SAMPLE NUMBERS: 103, 96,179,114,193,235,113,218,102,186,
106,199,229,223,139,261,185, 94,169,195,
142,109,105,117,116,108,104,126, 92,112,
172, 93,110,230,115,236,237, 97,238,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2002 - MAR 28/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	301	1439	359	511	182	590	257	51	4	206	3900
% AT AGE	0.00	8.15	38.96	9.72	13.83	4.93	15.97	6.96	1.38	0.11	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.99	166.29	180.30	194.69	199.01	204.35	207.93	209.49	221.00	181.61	181.73
- STD. DEV.	0.00	11.52	12.49	12.55	10.93	11.76	11.89	10.80	10.76	21.71	26.63	22.24
WEIGHT - MEAN(gm)	0.00	47.76	64.36	85.54	111.32	121.43	132.94	141.65	144.98	162.50	94.23	92.04
- STD. DEV.	0.00	15.57	17.27	20.25	22.54	25.78	28.36	28.75	27.09	58.95	44.09	39.22

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	22	130	2	566	2586	589	5	0	0
% AT STAGE	0.56	3.33	0.05	14.51	66.31	15.10	0.13	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	412	1473	2	1887
%	21.83	78.06	0.11	100.00
% SAMPLE WEIGHT	3.92	22.33	0.00	26.25

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1870	1887	143	3900
%	47.95	48.38	3.67	100.00
MEAN WEIGHT	86.69	101.53	36.79	92.04
% SAMP. WT.	45.16	53.37	1.47	100.00

Table 14 (cont'd)

AREA: 8 - BELLA COOLA
SAMPLE NUMBERS: 224,118,166,259,220,101,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2002 - MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	25	250	49	112	34	46	42	2	2	38	600
% AT AGE	0.00	4.45	44.48	8.72	19.93	6.05	8.19	7.47	0.36	0.36	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.80	164.55	175.88	183.83	189.56	192.37	195.12	190.50	183.50	180.92	175.34
- STD. DEV.	0.00	12.63	13.42	17.78	11.06	13.50	12.50	16.04	27.58	12.02	21.89	18.80
WEIGHT - MEAN(gm)	0.00	43.08	62.16	79.24	90.95	101.18	107.76	109.79	100.00	78.00	91.82	79.23
- STD. DEV.	0.00	16.35	17.93	24.49	19.19	27.27	26.00	30.23	59.40	18.38	36.26	29.52

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	10	12	11	185	327	54	1	0	0
% AT STAGE	1.67	2.00	1.83	30.83	54.50	9.00	0.17	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	127	140	0	267
%	47.57	52.43	0.00	100.00
% SAMPLE WEIGHT	9.26	15.84	0.00	25.10

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	315	267	18	600
%	52.50	44.50	3.00	100.00
MEAN WEIGHT	77.33	84.66	31.94	79.23
% SAMP. WT.	51.24	47.55	1.21	100.00

Table 14 (cont'd)

AREA: 9 - RIVERS INLET
SAMPLE NUMBERS: 143,119, 98,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2002 - MAR 14, 002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	151	15	41	19	18	22	3	0	18	300
% AT AGE	0.00	4.61	53.55	5.32	14.54	6.74	6.38	7.80	1.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	132.08	159.00	167.80	181.68	178.00	181.00	181.36	179.33	0.00	154.83	165.49
- STD. DEV.	0.00	19.32	17.87	15.31	12.09	12.89	13.80	14.48	4.93	0.00	23.91	20.78
WEIGHT - MEAN(gm)	0.00	28.77	53.35	64.73	82.68	78.74	84.33	81.59	71.67	0.00	50.72	62.43
- STD. DEV.	0.00	13.22	20.90	17.88	22.03	21.80	28.19	25.06	6.66	0.00	25.92	26.30

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	1	80	190	22	0	0	0
% AT STAGE	0.67	1.67	0.33	26.67	63.33	7.33	0.00	0.00	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	46	75	0	121
%	38.02	61.98	0.00	100.00
% SAMPLE WEIGHT	6.37	14.85	0.00	21.22

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	175	121	4	300
%	58.33	40.33	1.33	100.00
MEAN WEIGHT	59.93	66.83	38.25	62.43
% SAMP. WT.	56.00	43.18	0.82	100.00

Table 14 (cont'd)

AREA: 10 - SMITH INLET
SAMPLE NUMBERS: 188,120,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2002 - MAR 12/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	51	12	20	35	25	26	8	2	15	200
% AT AGE	0.00	3.24	27.57	6.49	10.81	18.92	13.51	14.05	4.32	1.08	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.50	164.12	172.17	178.70	176.40	180.84	179.85	183.75	168.50	171.47	173.20
- STD. DEV.	0.00	17.11	13.10	15.21	14.84	10.39	13.05	11.04	15.02	17.68	15.27	15.17
WEIGHT - MEAN(gm)	0.00	41.00	63.29	75.92	85.50	82.46	88.24	86.19	98.88	93.50	76.67	77.78
- STD. DEV.	0.00	14.25	15.97	18.35	25.15	17.99	21.07	16.07	27.62	26.16	20.73	22.32

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	0	0	81	99	18	0	0	0
% AT STAGE	1.00	0.00	0.00	40.50	49.50	9.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	42	52	0	94
%	44.68	55.32	0.00	100.00
% SAMPLE WEIGHT	9.93	12.97	0.00	22.90

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	104	94	2	200
%	52.00	47.00	1.00	100.00
MEAN WEIGHT	77.52	79.17	26.00	77.78
% SAMP. WT.	51.83	47.84	0.33	100.00

Table 14 (cont'd)

AREA: 14 - COMOX
SAMPLE NUMBERS: 23, 48, 21, 3,225,161, 51,226, 24,178, 4,213, 16,
26, 44,219, 99,211,156,183,194, 50,187,180, 55, 2,
56, 13,182,175,184, 30, 54, 6, 39, 19, 8, 18, 31,
7, 53, 17, 45, 1, 10,215,210,221, 33,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2002 - MAR 20/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	359	2380	1153	499	104	90	17	4	0	294	4900
% AT AGE	0.00	7.79	51.67	25.03	10.83	2.26	1.95	0.37	0.09	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.63	177.68	186.94	192.97	201.96	203.22	208.94	215.25	0.00	178.24	180.81
- STD. DEV.	0.00	12.95	12.33	10.40	11.60	11.97	11.03	16.66	11.00	0.00	18.93	16.09
WEIGHT - MEAN(gm)	0.00	48.84	77.86	95.09	107.43	128.44	131.62	137.71	167.75	0.00	82.45	85.42
- STD. DEV.	0.00	14.15	17.86	18.52	20.98	25.96	21.86	29.33	34.68	0.00	29.76	25.80

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	22	178	18	1065	3083	502	23	9	0
% AT STAGE	0.45	3.63	0.37	21.73	62.92	10.24	0.47	0.18	0.00

ROE MATURITY (FEMALE):				
	IMMATURE	MATURE	SPENT	TOTAL
NO.	530	1754	13	2297
%	23.07	76.36	0.57	100.00
% SAMPLE WEIGHT	3.91	21.92	0.01	25.84

SEX RATIO:				
	MALE	FEMALE	IMMATURE	TOTAL
NO.	2429	2297	174	4900
%	49.57	46.88	3.55	100.00
MEAN WEIGHT	82.44	91.89	41.55	85.42
% SAMP. WT.	47.84	50.43	1.73	100.00

Table 14 (cont'd)

AREA: 15 - WESTVIEW
SAMPLE NUMBERS: 9,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	54	25	9	0	0	0	0	0	0	0	12	100
% AT AGE	61.36	28.41	10.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	104.19	135.72	137.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.67	116.95
- STD. DEV.	5.77	12.50	16.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.20	18.22
WEIGHT - MEAN(gm)	13.80	34.16	34.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.17	21.76
- STD. DEV.	2.54	9.01	13.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	11.71

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	79	10	0	6	5	0	0	0	0
% AT STAGE	79.00	10.00	0.00	6.00	5.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	0	0	4
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	16.22	0.00	0.00	16.22

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	7	4	89	100
%	7.00	4.00	89.00	100.00
MEAN WEIGHT	36.71	46.25	19.48	21.76
% SAMP. WT.	11.81	8.50	79.69	100.00

Table 14 (cont'd)

AREA: 17 - NANAIMO
SAMPLE NUMBERS: 100, 22, 34, 36, 95, 15,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2002 - MAR 17/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	65	301	118	45	7	9	2	1	0	51	600
% AT AGE	0.18	11.84	54.83	21.49	8.20	1.28	1.64	0.36	0.18	0.00	0.00	100.00
LENGTH - MEAN(mm)	109.00	153.91	175.71	184.14	193.20	197.43	192.44	214.00	222.00	0.00	160.78	175.65
- STD. DEV.	0.00	16.34	15.71	16.08	15.03	13.69	25.20	1.41	0.00	0.00	23.32	20.21
WEIGHT - MEAN(gm)	15.00	49.94	75.24	90.56	104.71	121.86	113.33	153.50	172.00	0.00	62.25	78.06
- STD. DEV.	0.00	16.95	19.15	24.13	21.66	26.62	39.68	2.12	0.00	0.00	29.53	27.21

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	6	30	3	161	253	147	0	0	0
% AT STAGE	1.00	5.00	0.50	26.83	42.17	24.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	105	183	0	288
%	36.46	63.54	0.00	100.00
% SAMPLE WEIGHT	6.66	16.04	0.00	22.70

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	280	288	32	600
%	46.67	48.00	5.33	100.00
MEAN WEIGHT	76.65	83.86	38.13	78.06
% SAMP. WT.	45.82	51.57	2.60	100.00

Table 14 (cont'd)

AREA: 19 - SAANICH PENINSULA
SAMPLE NUMBERS: 35, 32,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/2002 - MAR 16/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	17	101	45	7	3	2	0	0	0	25	200
% AT AGE	0.00	9.71	57.71	25.71	4.00	1.71	1.14	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.06	179.76	190.36	186.29	197.00	219.00	0.00	0.00	0.00	179.16	181.79
- STD. DEV.	0.00	6.77	10.93	8.64	14.49	9.64	5.66	0.00	0.00	0.00	16.93	13.46
WEIGHT - MEAN(gm)	0.00	59.18	79.14	94.53	87.29	118.33	156.00	0.00	0.00	0.00	79.64	82.61
- STD. DEV.	0.00	7.27	16.31	14.89	18.74	13.20	21.21	0.00	0.00	0.00	21.56	20.45

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	1	111	77	7	0	0	0
% AT STAGE	0.00	2.00	0.50	55.50	38.50	3.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	65	36	0	101
%	64.36	35.64	0.00	100.00
% SAMPLE WEIGHT	11.49	10.93	0.00	22.42

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	95	101	4	200
%	47.50	50.50	2.00	100.00
MEAN WEIGHT	80.49	85.31	64.75	82.61
% SAMP. WT.	46.28	52.15	1.57	100.00

Table 14 (cont'd)

AREA: 23 - BARKLEY SOUND
SAMPLE NUMBERS: 47, 59, 67, 62, 42, 57, 63, 60, 65, 58, 66, 61, 52, 43, 49, 64, 68, 41, 40, 37, 46, 38,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2002 - MAR 23/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	163	1158	470	101	58	41	20	4	1	184	2200
% AT AGE	0.00	8.09	57.44	23.31	5.01	2.88	2.03	0.99	0.20	0.05	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.94	180.22	188.65	198.09	209.64	215.17	220.35	226.25	244.00	182.66	183.97
- STD. DEV.	0.00	8.89	9.59	10.92	10.76	11.06	10.06	7.39	8.50	0.00	15.78	14.37
WEIGHT - MEAN(gm)	0.00	65.21	82.82	97.91	114.60	141.72	149.90	160.65	175.75	218.00	88.47	90.41
- STD. DEV.	0.00	12.77	14.86	19.86	22.00	25.57	25.09	26.69	7.63	0.00	27.12	25.45

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	8	14	330	1511	279	44	12	0
% AT STAGE	0.09	0.36	0.64	15.00	68.68	12.68	2.00	0.55	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	204	859	7	1070
%	19.07	80.28	0.65	100.00
% SAMPLE WEIGHT	3.23	22.17	0.00	25.39

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1125	1070	5	2200
%	51.14	48.64	0.23	100.00
MEAN WEIGHT	84.96	96.29	58.80	90.41
% SAMP. WT.	48.05	51.80	0.15	100.00

Table 14 (cont'd)

AREA: 24 - CLAYOQUOT SOUND
SAMPLE NUMBERS: 202,190,260,200,191,198,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 27/2002 - MAR 21/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	39	95	219	99	22	9	9	25	1	0	82	600
% AT AGE	7.53	18.34	42.28	19.11	4.25	1.74	1.74	4.83	0.19	0.00	0.00	100.00
LENGTH - MEAN(mm)	120.10	154.51	175.80	185.21	198.95	208.00	217.33	223.12	238.00	0.00	153.11	171.29
- STD. DEV.	8.76	13.80	11.08	12.14	10.54	15.87	7.70	7.69	0.00	0.00	34.91	27.90
WEIGHT - MEAN(gm)	21.00	53.27	79.05	95.71	124.05	141.67	155.00	180.32	196.00	0.00	59.10	79.36
- STD. DEV.	5.02	15.08	16.15	20.79	27.14	31.17	20.24	20.27	0.00	0.00	48.41	40.94

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	90	1	6	54	344	102	3	0	0
% AT STAGE	15.00	0.17	1.00	9.00	57.33	17.00	0.50	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	22	209	1	232
%	9.48	90.09	0.43	100.00
% SAMPLE WEIGHT	1.06	25.86	0.00	26.92

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	277	232	91	600
%	46.17	38.67	15.17	100.00
MEAN WEIGHT	82.56	97.82	22.54	79.36
% SAMP. WT.	48.03	47.66	4.31	100.00

Table 14 (cont'd)

AREA: 25 - NOOTKA SOUND
SAMPLE NUMBERS: 205,233,141,159,168,147,145,189,268,167,
264,270,192,146,206,269,170,173,263,241,
171,271,267,272,165,258,204,197,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2002 - MAR 22/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	52	110	1285	567	248	73	106	86	9	0	262	2798
% AT AGE	2.05	4.34	50.67	22.36	9.78	2.88	4.18	3.39	0.35	0.00	0.00	100.00
LENGTH - MEAN(mm)	98.87	163.43	180.41	192.61	202.29	208.14	215.50	218.73	227.67	0.00	172.04	185.24
- STD. DEV.	5.55	15.40	9.87	10.96	9.97	8.90	11.57	10.69	6.76	0.00	39.35	23.51
WEIGHT - MEAN(gm)	10.23	63.98	85.80	109.07	129.22	146.04	157.38	169.72	204.33	0.00	86.61	99.42
- STD. DEV.	1.80	18.50	16.49	21.47	22.33	24.67	30.73	27.70	22.57	0.00	49.97	36.76

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	99	1	7	209	2056	419	6	1	0
% AT STAGE	3.54	0.04	0.25	7.47	73.48	14.97	0.21	0.04	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	109	1232	1	1342
%	8.12	91.80	0.07	100.00
% SAMPLE WEIGHT	1.49	27.12	0.00	28.61

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1357	1342	99	2798
%	48.50	47.96	3.54	100.00
MEAN WEIGHT	95.33	110.17	9.93	99.42
% SAMP. WT.	46.50	53.15	0.35	100.00

Table 14 (cont'd)

AREA: 27 - QUATSINO SOUND
SAMPLE NUMBERS: 5, 11, 14, 20, 12,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/2002 - MAR 8/2002

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	35	293	73	47	3	11	4	1	0	33	500
% AT AGE	0.00	7.49	62.74	15.63	10.06	0.64	2.36	0.86	0.21	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	175.89	181.02	184.82	197.17	186.67	194.00	211.75	209.00	0.00	183.55	183.52
- STD. DEV.	0.00	13.59	12.16	11.63	13.86	16.17	28.06	11.32	0.00	0.00	15.58	14.33
WEIGHT - MEAN(gm)	0.00	84.46	92.05	98.90	123.00	96.33	119.18	145.00	165.00	0.00	96.15	96.89
- STD. DEV.	0.00	25.75	21.34	20.35	26.72	16.26	47.78	45.22	0.00	0.00	29.36	26.07

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	3	5	80	373	39	0	0	0
% AT STAGE	0.00	0.60	1.00	16.00	74.60	7.80	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	32	255	0	287
%	11.15	88.85	0.00	100.00
% SAMPLE WEIGHT	2.16	24.39	0.00	26.55

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	210	287	3	500
%	42.00	57.40	0.60	100.00
MEAN WEIGHT	88.10	103.56	75.00	96.89
% SAMP. WT.	38.19	61.35	0.46	100.00

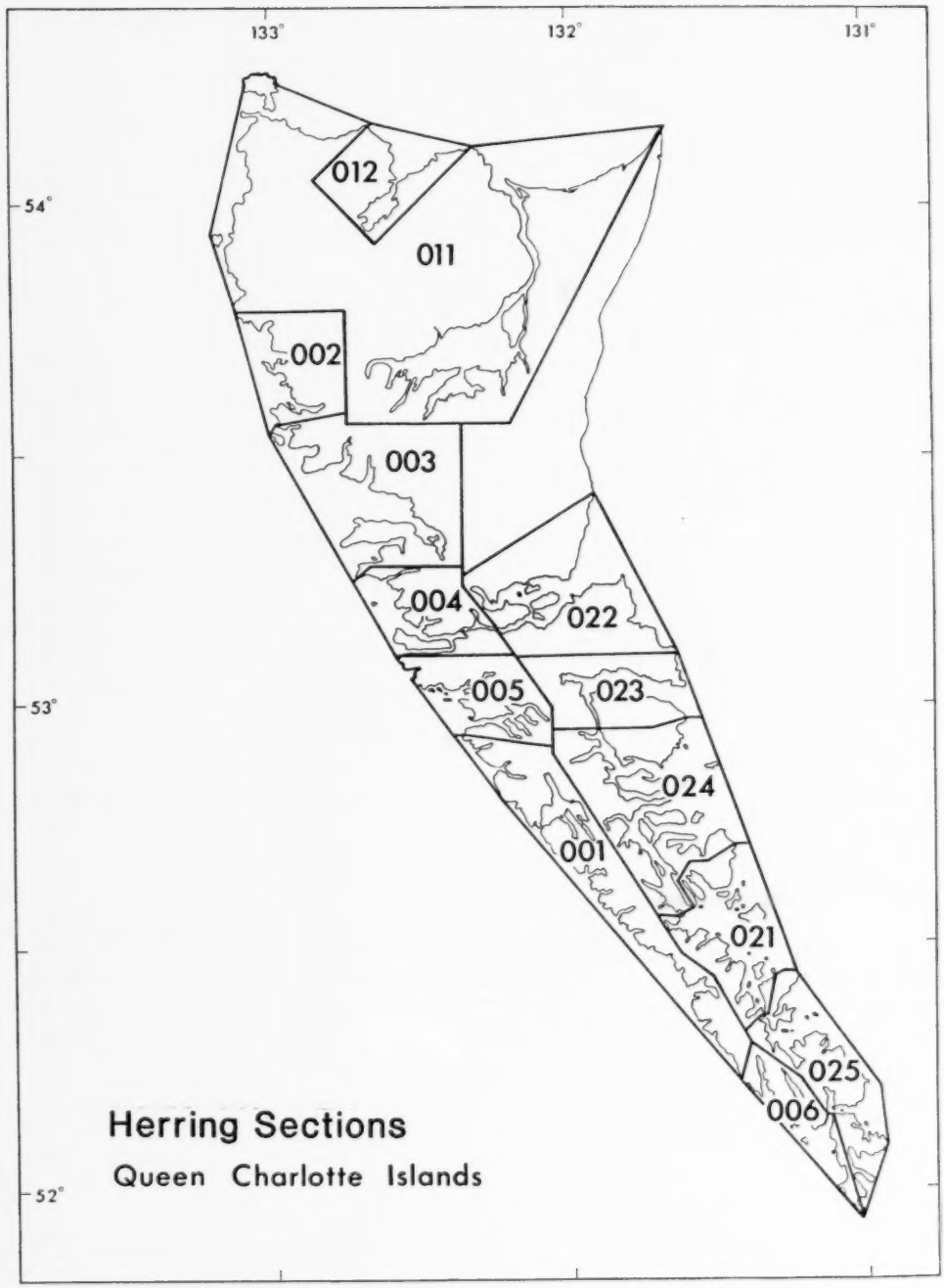

Fig. 1. Herring sections in the Queen Charlotte Islands region.

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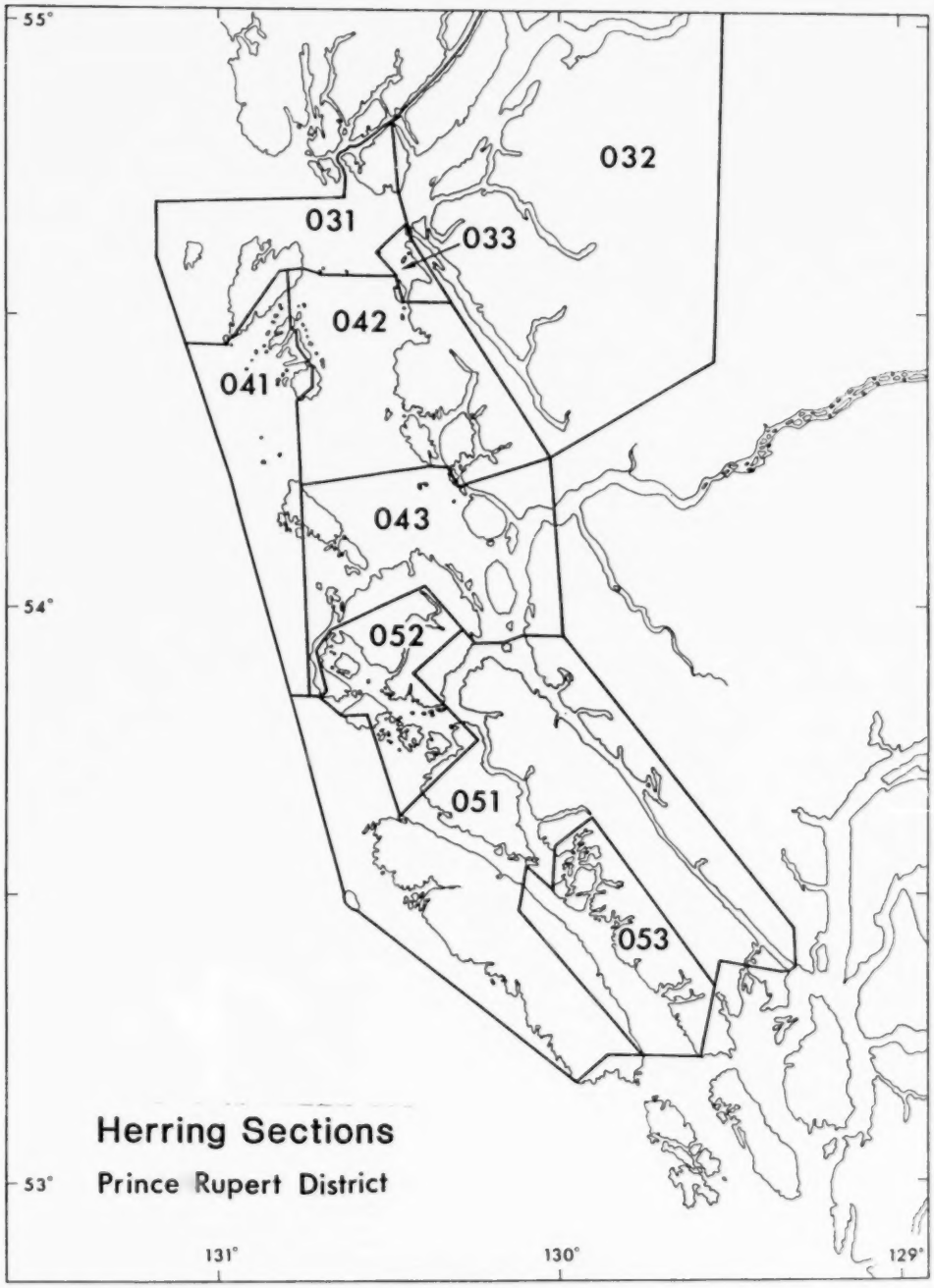

Fig. 2. Herring sections in the Prince Rupert District region.

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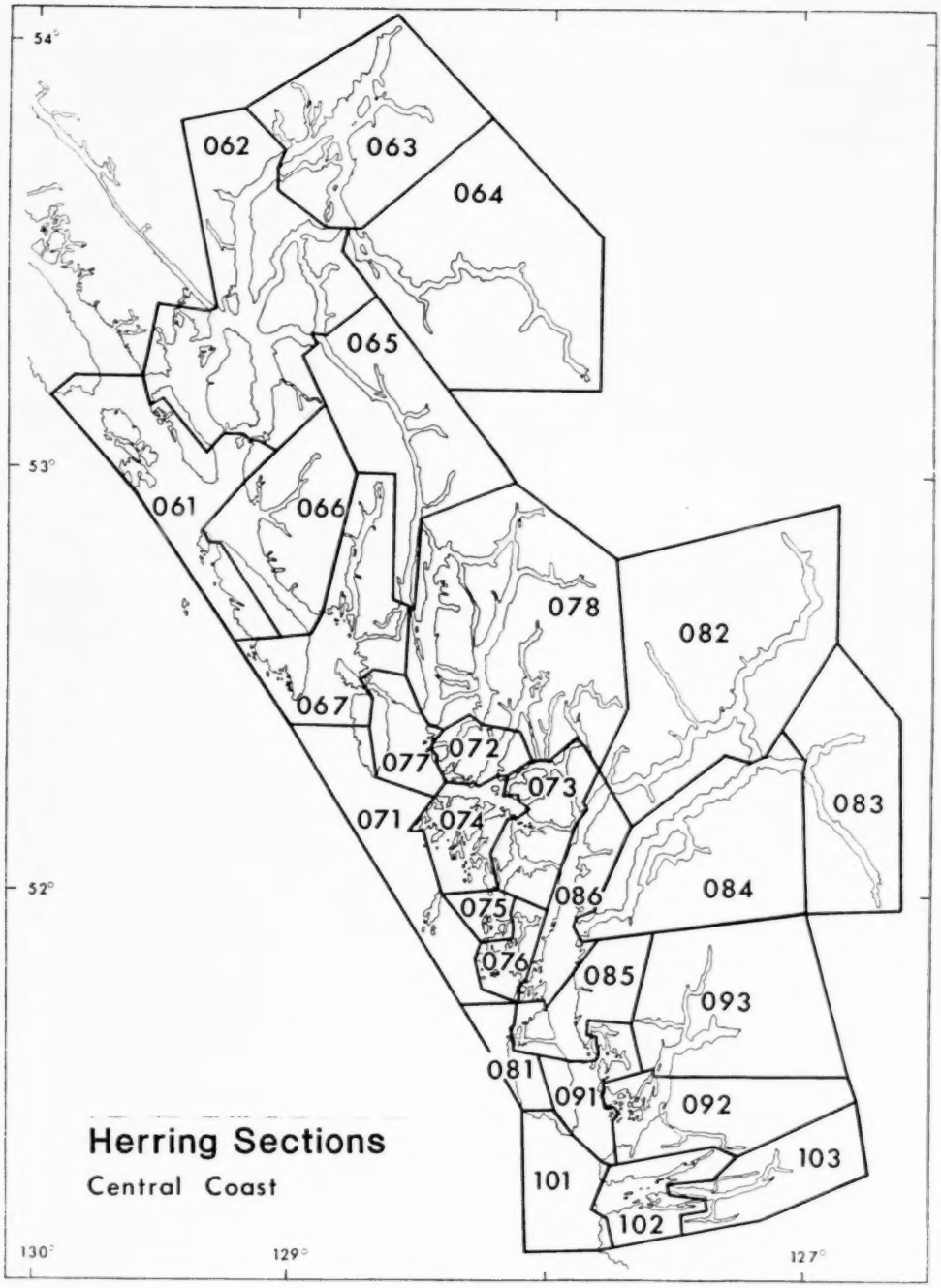

Fig. 3. Herring sections in the Central Coast region.

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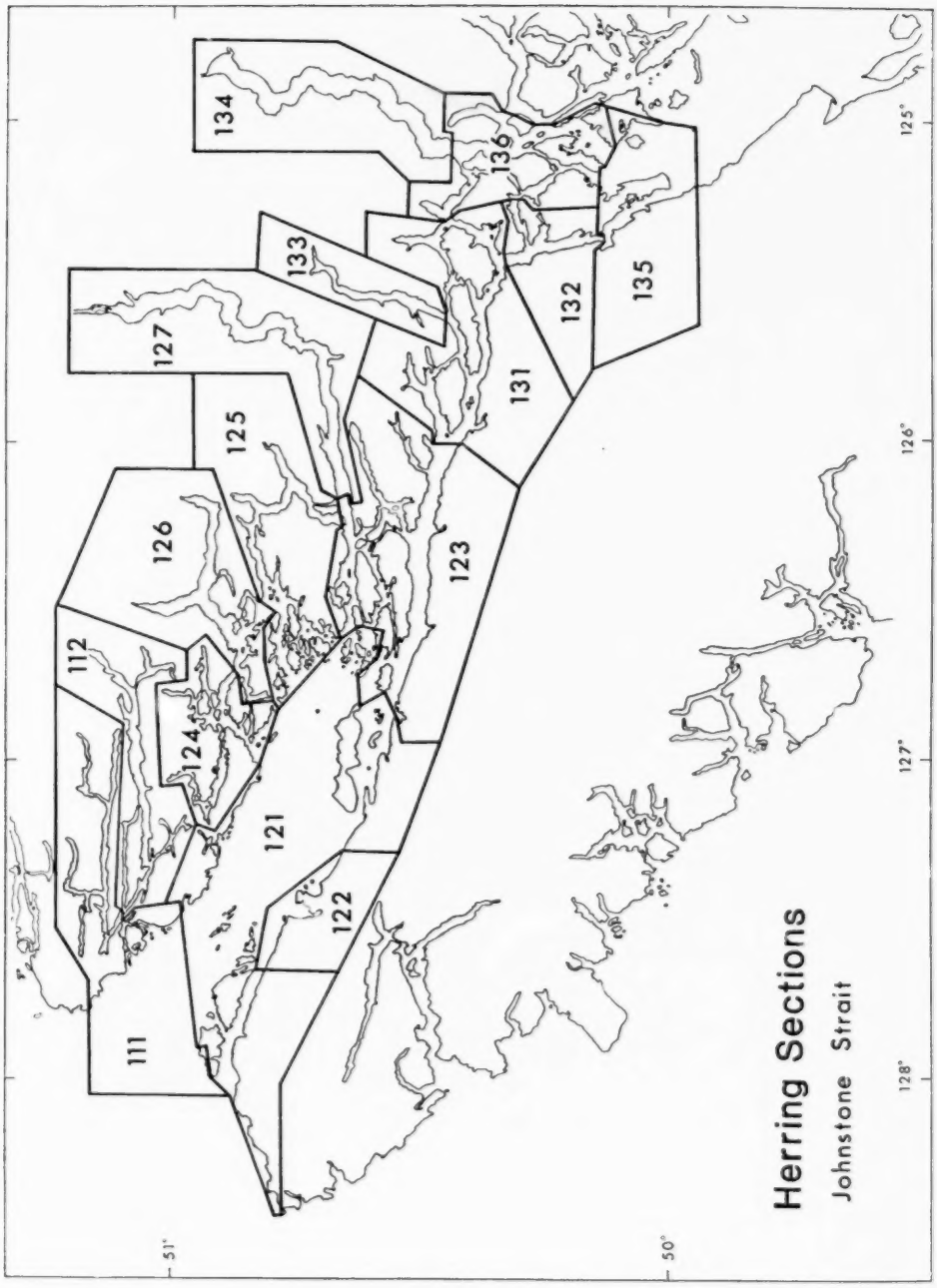

Fig. 4. Herring sections in the Johnstone Strait region.

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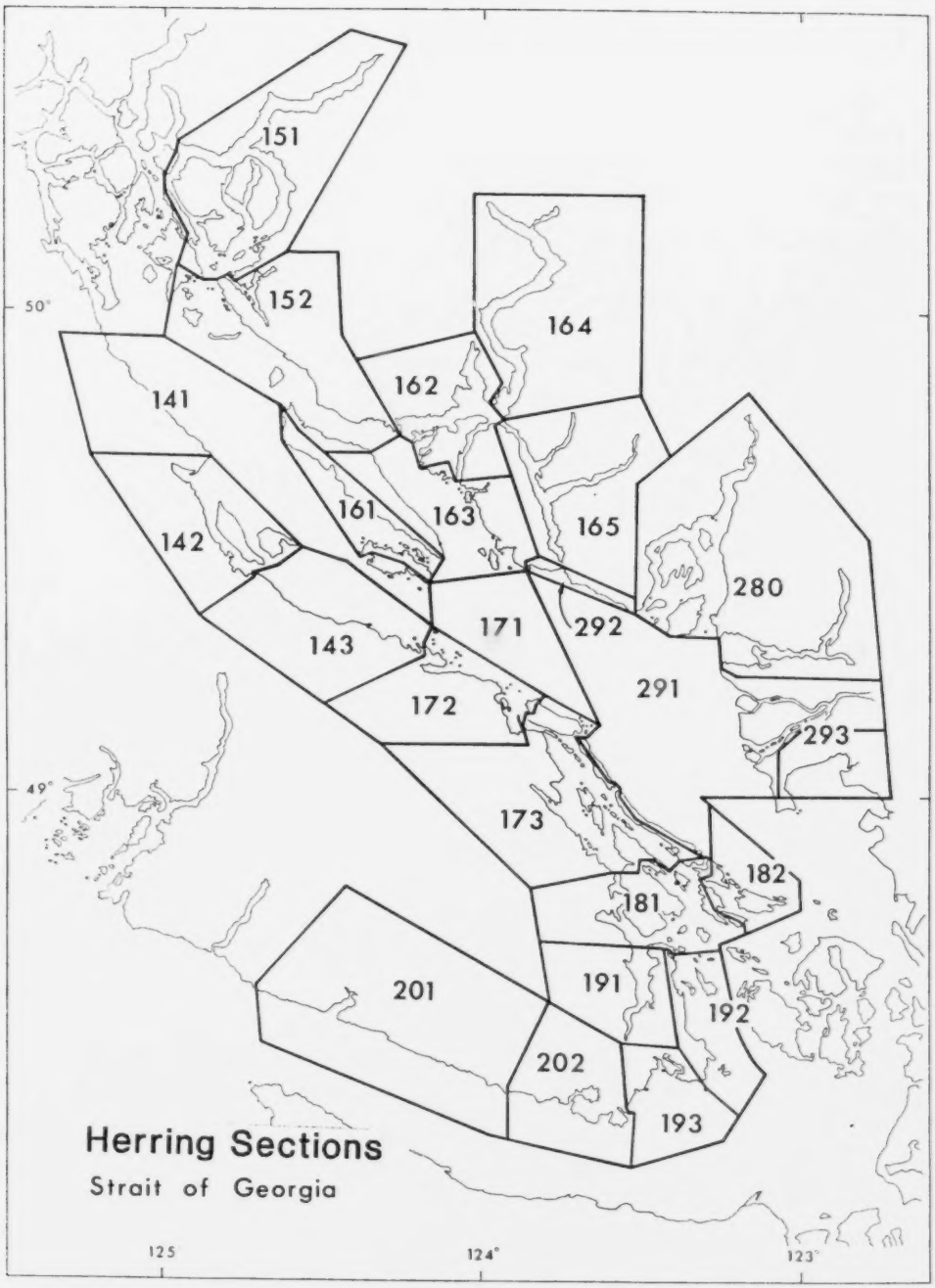

Fig. 5. Herring sections in the Strait of Georgia region.

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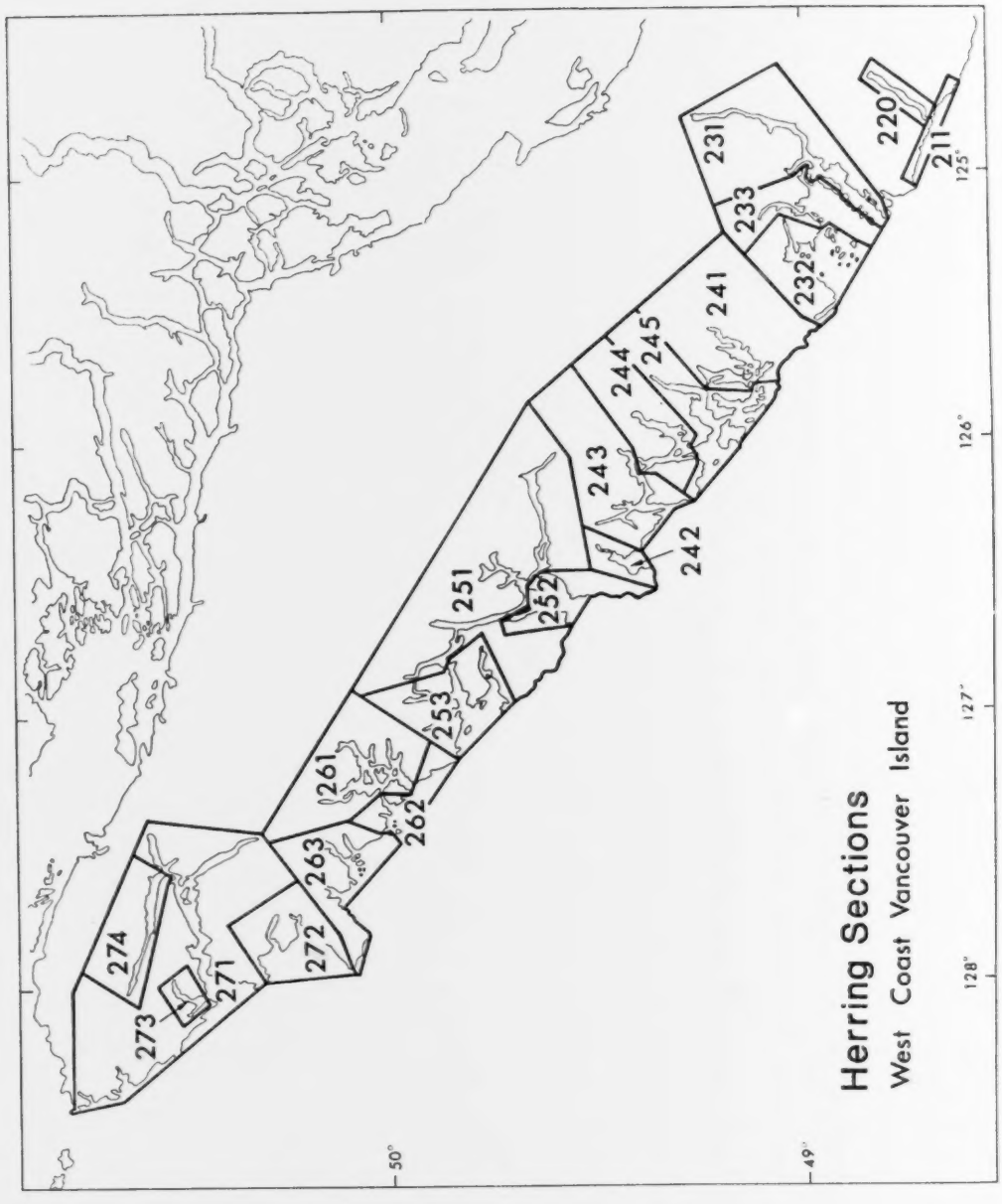

Fig. 6. Herring sections in the West Coast Vancouver Island region.

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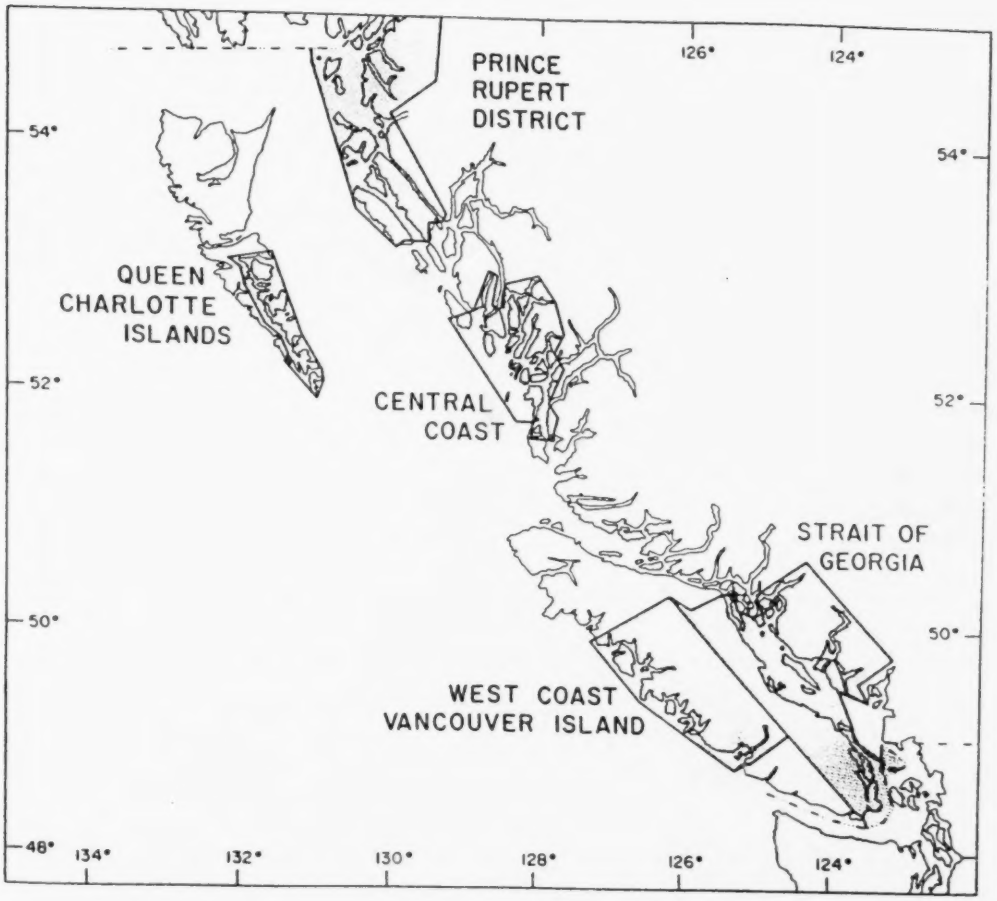

Fig. 7. Herring stock assessment regions in British Columbia.